Md. Mahbub Hasan Akash

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Career Objective

Software Developer skilled in Java, Spring Boot, JSP, JavaScript, SQL, PostgreSQL, Python, and enterprise application development, with knowledge of Machine Learning and Computer Vision.

Career Summary

Software Developer experienced in Java, Spring Boot, JSP, JavaScript, SQL, Python, and Machine Learning. Skilled in developing enterprise applications, database-driven systems, and Al-based solutions with strong problem-solving and technical skills.

Special Qualification

Hands-on experience in enterprise application development, Java, Spring Boot, JSP, JavaScript, SQL and database-driven systems. Skilled in developing secure, scalable applications with practical knowledge of networking, system administration.

Experience

1. Technical Support Engineer
   (01 Feb, 2026 - Continuing) SIMEC
   System LTD
   55 Shah Mokdhum Avenue, Shonim Tower (5th Floor), Sector-12, Uttara, Dhaks-1230
   Area of Expertise
   Development, Database Administration, IT Infrastructure, Maintenance, Website Maintaining
   Duties/Responsibilities
   Responsibilities to maintain ICT & E-Governance of CAAB (Development, QA, UAT, Technical Maintenance, Content Management & Updates, User Support & Helpdesk, Database management, Website Maintenance)

2. Internship
   (03 Oct, 2025 - 03 Dec, 2025)
   Purbani Group
   Noorbagh, Mouchak, Kaliakoir
   Area of Expertise
   IT Support Service
   Duties/Responsibilities
   Routing, Firewall, Troubleshooting, Windows Support, Security

Academic / Education

Exam Title	Concentration/Major	Institute	Result	Pas.Year	Duration
Bachelor of Science (BSc)	Computer Science & Engineering	International University of Business Agriculture and Technology	3.44 out of 4	2026	4
HSC	Science	Agrani Model College	5 out of 5	2020	2
SSC	Science	Baghia Mamin Uddin Sarker Academy	5 out of 5	2018	2

Training

Training Title	Topic	Institute	Country	Location	Year	Duration
Full Stack Developer	Works on both frontend and backend development, using technologies such as HTML, CSS, JavaScript, React.js, Java, Spring Boot, REST APIs, MySQL, Git, and cloud/deployment tools to build and maintain complete web applications.	SimpliLearn	Bangladesh	Online	2026	3
Networking	Networking, Vlan, Routing, Firewall, System Administration, Troubleshooting, Windows Support, Security	IUBAT	Bangladesh	Sector 10, Uttara, Dhaka 1210	2025	6 months
Machine Learning	PyTorch, TensorFlow, Google Colab, Documentation	IUBAT	Bangladesh	Sector 10, Uttara, Dhaka 1210	2025	3 Months

Professional Qualification

Certification	Institute	Location	From	TO
Software Development	SimpliLearn	Online	01 Jun, 2026	08 Jun, 2026
Full Stack Developer	SimpliLearn	Online	25 May, 2026	07 Jun, 2026

Career and Application Information

Preferred Job Category	IT/Telecommunication
Looking For	Mid-Level Job
Present Salary	Tk. 25000
Expected Salary	Tk. 35000
Preferred District	Dhaka, Gazipur
Preferred Organization Types	Software Company, IT Enabled Service, Engineering Firms

Skill

Fields of Skill		Description
○ Java	Troubleshooting	Software Development: Java, Spring Boot, JSP, JavaScript, SQL, PostgreSQL. Machine Learning, Google Colab, Deep Learning. Networking & System Administration: Configuration, Troubleshooting, Windows Support, Security. Design & Documentation: Adobe Photoshop, Illustrator. Soft Skills: Problem-solving, Teamwork, Communication, and Quick Learning.
○ Networking and communication	Machine Learning	
○ SPRING boot	Adobe Photoshop	
○ Spring MVC	Adobe Illustrator	
○ JavaScript	MS Office	
○ HTML & CSS	Administration	
○ SQL Server	Microsoft SQL Server (MSSQL)	

Accomplishment

Portfolio

1. Mahbub-Portfolio
   URL: https://akash-portfolio-cyan-iota.vercel.app/
   Please visit my portfolio to explore my projects, skills, and professional work. I 'd appreciate your feedback and suggestions!

Publications

1. A novel dataset of North-Eastern Indian coins for machine learning URL: https://doi.org/10.1016/j.media.2024.103092
   This dataset features 2,147 verified images of rare, intricately designed North-Eastern Indian coins spanning from the 9th century to 1947. It provides a well—structured resource to advance machine learning classification and archaeological research of the region's cultural heritage.

2. Underwater Image Reconstruction Using a Swin Transformer-Based Generator URL: https://ieeexplore.ieee.org/document/11491261
   Novel Swin Transformer GAN for underwater image reconstruction. Achieves state-of-the-art 24.76 dB PSNR/0.89 SSIM on EUVP dataset, effectively correcting color, contrast, and haze for marine applications.

3. Robotics, Artificial Intelligence, and Computer Vision in Dental Implant Surgery URL: https://link.springer.com/article/10.1007/s11701-025-02984-0
   This work explores how Al-driven planning, computer vision, and robotic-assisted systems are reshaping precision, safety, and efficiency in modern implant dentistry.

Projects

[1]. MikroTik-Based Enterprise Network with AAA and Content Filtering.
Designed and implemented a pilot enterprise network using MikroTik RouteroS with VLAN-based wireless segmentation and RADIUS (AAA) authentication. Implemented WPA2-Enterprise via Windows Server NPS, VLAN 20 isolation, firewall, NAT, and Layer-7 content filtering to improve security and manageability.

[2]. automatic_hand_sanitizer_machine
URL: https://github.com/mahbub5467/automatic_hand_sanitizer_machine
Arduino Uno-based water pump control circuit. The HC-SR04 ultrasonic sensor connects to pins D2 (Trig) and D3 (Echo) for distance measurement, while a relay module on D8 controls the pump. External batteries power both the Arduino and pump to handle higher current.

[3]. Arduino Pedestrian Crossing System
URL: https://github.com/mahbub5467/pedestrian-crossing-
Arduino system using LEDs, LCD, and a button to manage pedestrian crossing. Green shows vehicles go, button press triggers orange with countdown, then red for safe crossing. After timer ends, system resets to green for normal traffic flow.

Extra-Curricular Activities

Organize and participate in community tech events and meetups. Participate in game competitions. Join gaming clubs or groups for used on developing simulations and interactive applications. Volunteered in organizing coding competitions and tech seminars.

Language Proficiency

Language	Reading	Writing	Speaking
Bangli	High	High	High
English	High	High	High

Personal Details

Father's Name	Md. Kamruzzaman
Mother's Name	Kohinur Begum
Date of Birth	01 Dec, 2001
Gender	Male
Marital Status	Married
Nationality	Bangladeshi
Religion	Islam
Blood Group	0+
Height (Meter)	1.8
Weight (Kg)	72

References

Name	: Md. Alamgir Bhuyan	Name	: Md. Abdul Awal
Organization	IUBAT	Organization	: IUBAT
Designation	: Associate Professor	Designation	: Associate Professor
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Relation	: Academic	Relation	: Academic