

Akram Mohammad

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Summary

Passionate Computer Science undergraduate (2026 Batch) with a strong foundation in data structures, algorithms, and scalable software development. Experienced in Java, C++, and Python with a focus on backend systems and AI applications. Proven ability to build production-level solutions using Spring Boot, TensorFlow, and modern toolchains.

Education

PBR Visvodaya Institute of Technology, Computer Science and Engineering - Artificial Intelligence May 2022 – May 2026

- GPA: 8.3/10
- **Coursework:** Machine Learning, Digital designs, Deep Learning, Cloud computing for AI

Narayana College, Mathematics, Physics and Chemistry Oct 2020 – Jun 2022

- GPA: 9.8/10
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Experience

Full Stack Java Intern May 2025 – Jul 2025
CodeTantra EdTech Pvt. Ltd., Remote

- Completed a certified internship program focused on enterprise-level full stack Java development.
- Developed a robust **URL Shortener Application** using **Spring Boot**, enabling long URLs to be transformed into concise short links with expiration, redirection, and analytics features.
- Implemented RESTful APIs for creating, retrieving, and managing shortened URLs with secure token-based access.
- Integrated **PostgreSQL** for persistent storage and utilized **Spring Data JPA** for database operations.
- Applied frontend frameworks like **HTML/CSS and Thymeleaf** to build an interactive UI.
- Followed MVC architecture and deployed the app using tools like Postman and GitHub.
- Source Code: github.com/AKram-codes/url-shortener-springboot
- Certificate of Completion: **CodeTantra Internship Certificate**

Skills Summary

- **Languages:** Java, Python, SQL, JavaScript
- **Frameworks/Libraries:** Spring, Spring Boot, Scikit-learn, TensorFlow, Pandas
- **ML/NLP** TensorFlow, Deep Learning, NLP, Information Retrieval, Object Detection, YOLO, MediaPipe
- **Tools:** Git, GitHub, Postman, SQL, Docker, OpenAI API
- **Platforms/IDEs:** IntelliJ IDEA, VS Code, Jupyter Notebook, Google Colab
- **Systems :** Distributed Systems, Parallel Computing, Scalability, Unix/Linux, OS Concepts
- **Soft Skills:** Problem Solving, Collaboration, Communication, Teamwork, Adaptability

Certifications

MongoDB Certified Developer Associate
MongoDB
Credential ID: MDBa17knquvl2
Verification Link: [VIEW CERTIFICATE](#)

Issued: April 2025

GitHub Foundations Certification

GitHub (via Credly)

Issued: May 2025

Credential ID: 31e7ae3c-b681-4baf-b75e-434c05d02e6d

Certificate Link: [VIEW CERTIFICATE](#)

Python Course Certification by Scaler

Scaler Academy

Issued: May 2025

Certificate Link: [VIEW CERTIFICATE](#)

Geeks for Geeks 160 Days Summer DSA Program

GeeksforGeeks

Issued: May 2025

Certificate Link: [VIEW CERTIFICATE](#)

Projects

Object Detection using YOLO Model

[VIEW PROJECT](#)

- Built a real-time object detection system using YOLOv3/v4 to classify objects in video and images.
- Reduced inference time by 30% through YOLOv4 architecture optimization.
- Integrated OpenCV and TensorFlow for seamless live-stream processing with 80%+ frame accuracy.

Hand gesture recognition using Mediapipe

[VIEW PROJECT](#)

- Developed a webcam-based gesture detection system using Google's MediaPipe (21 landmarks).
- Mapped hand gestures to system actions with 95%+ accuracy on real-time video.
- Tools: Python, OpenCV, TensorFlow — ran efficiently at 25 FPS on CPU.

Technical Achievements & Leadership

- Active contributor in **GirlScript Summer of Code (GSSoC)**, contributed to open-source repositories focused on web development and machine learning.
- Participated in **MLH (Major League Hacking)** events; completed challenges and earned official MLH swag for outstanding contributions.
- Represented my college in multiple **PowerPoint presentations, technical seminars, and paper talks** at inter-college tech fests and symposiums.
- Secured **first place and multiple accolades** in intra-college tech speaking contests and idea pitching competitions. [VIEW CERTIFICATES](#)
- Served as a **student coordinator and event lead**, organizing technical events, coding contests, and workshops as part of college tech clubs.
- Collaborated with peers to successfully conduct college-level fests, demonstrating leadership, event planning, and team management.