AYUSH CHAUDHARY

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SKILLS

- **Programming Languages:** Java, Python, C, SQL, JavaScript
- **Web Technologies:** HTML, CSS, React, Node.js, RESTful APIs, Flask
- **Databases & Cloud Platforms:** MongoDB, Microsoft Azure, Vercel, Render
- **DevOps & Engineering Tools:** Git, Docker, CI/CD Pipelines, VS Code, PyCharm
- **Core Computer Science Fundamentals:** Data Structures and Algorithms, Object-Oriented Programming, Operating Systems, Computer Networks, Relational Databases
- **Technical & Professional Skills:** Problem-solving, technical communication, cross-team collaboration, code ownership, debugging, adaptability, and continuous learning

EDUCATION

Bachelor of Technology in Computer Science Engineering   *Aug 2023 – May 2027*
GLA University, Mathura, India
- CGPA: 9.29 (Year 1), 9.04 (Year 2)
- Ranked among the top 1% of engineering students

EXPERIENCE

JOVAC – Machine Learning with Python (Trainee)   *June 2025 – July 2025*
- Applied engineering and machine learning principles to evaluate supervised models including Linear Regression, Logistic Regression, Decision Trees, Naïve Bayes, Random Forests, and XGBoost.
- Prepared, transformed, and visualized datasets using pandas, NumPy, Matplotlib, and Seaborn to support performance analysis and model reliability.
- Implemented NLP workflows using tokenization and TF-IDF, improving classification accuracy and solution quality by 10–15%.

PROJECTS

Speakwise – AI Speech Quality and Style Analyzer GitHub   *August 2025 – Present*
- Architected and developed an AI-driven software solution using React, Node.js, Express, and MongoDB, following sound engineering practices and RESTful design principles.
- Integrated Speech-to-Text pipelines and Gemini-based intelligence to deliver real-time feedback, improving evaluation accuracy and user experience by 40%.
- Collaborated across technical and product perspectives to build a centralized platform featuring personalized exercises, goal definition, progress monitoring, and achievement tracking, emphasizing product quality and scalability.

ML-Powered Internship Recommendation System GitHub   *August 2025 – Sept 2025*
- Designed and implemented a recommendation engine delivering 3–5 relevant internship opportunities per user based on skills, education, and location.
- Leveraged TF-IDF vectorization and cosine similarity to improve recommendation relevance, efficiency, and consistency by approximately 40%.
- Developed a responsive frontend and deployed a Flask-based backend with MongoDB, focusing on system reliability, performance, and scalable data handling.

CERTIFICATIONS AND ACHIEVEMENTS

- Microsoft Certified: Azure AI Engineer Associate (AI-102)
- Oracle Cloud Infrastructure 2025 Foundations Associate (1Z0-1085-25)
- Two-time NPTEL national course topper
- National Semi-finalist, Tata Imagination Challenge
- Finalist, Smart India Hackathon (Internal) 2025
- Solved 500+ Data Structures and Algorithms problems; Codeforces Rating: Specialist (1452)