Akash Jadhav

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OBJECTIVE

A highly motivated **Computer Engineering student** (3rd Year, 6th Semester) with a solid foundation in **AI/ML**, **Full-Stack Development**, and **Cloud Technologies**. Passionate about creating innovative solutions and continuously enhancing my skill set through new tools and techniques. Eager to contribute to impactful projects and apply my expertise in a dynamic, growth-driven environment.

EXPERIENCE

Artificial Intelligence Intern   Nov 2024 – Dec 2024
Edunet Foundation (in partnership with Microsoft & SAP)   *Remote*
- Applied deep learning techniques to develop AI-powered healthcare analytics tools.
- Collaborated on model fine-tuning and preprocessing real-world healthcare datasets.
- Prepared detailed experiment logs and reports as per research standards.

ACHIEVEMENTS

UST D3Code Global Hackathon 2024 – National Winner (2nd Place)
Team Leader, *AgroAI: AI-driven crop disease management*
https://lnkd.in/gksui7DR

Invoked 4.0 Shikshalokam Hackathon – Participant
Developed a Parental Engagement System to enhance teacher-parent communication

TruthTell Hackathon – Participant
Contributed to a solution addressing misinformation detection at scale

PROJECTS

AgroAI: AI-Driven Crop Disease Prediction & Management | *Flask, TensorFlow, Twilio, Flutter, Java, Dart*
- Developed a crop disease detection system using CNNs, notifying farmers via SMS in regional languages.
- Integrated agronomist support for expert guidance based on disease type and location.
- Used regional datasets to improve accuracy for underrepresented crops.

EduMitra: Parental Engagement System | *React, Node.js, Express, MongoDB, Tailwind CSS*
- Created a web platform to improve teacher-parent communication with features like student management and attendance tracking.
- Integrated multilingual support, responsive UI, JWT authentication, and a teacher dashboard.
- Enabled real-time notifications, meeting scheduling, and PWA for offline access.
- Deployed on Vercel: https://parental-engagement.vercel.app/

TruthGuard: Real-Time Misinformation Detection System | *React, Flask, Google Fact Check API, Scikit-learn*
- Built a real-time misinformation detection system using ML and NLP for live events.
- Implemented multilingual support and a source credibility graph for verification.
- Stored and visualized transcripts with flagged content in an interactive dashboard.

MERN GPT: Chatbot using OpenAI API | *React, Node.js, Express, MongoDB, OpenAI API*
- Built a chatbot with OpenAI GPT for interactive, real-time conversations using the MERN stack.
- Implemented secure authentication, session management, and deployed with Node.js, Express, and MongoDB.
- Utilized Docker for containerization, Kubernetes for scalability, and GitHub Actions for CI/CD.

Technical Skills

Languages: C, C++, Python, Java, JavaScript, Dart, HTML, CSS

Frameworks: React.js, Flutter, Node.js, Express.js, Scikit-learn, TensorFlow, Keras, Material UI, Tailwind CSS, Bootstrap

Libraries: Matplotlib, Seaborn, Pandas, NLTK, OpenCV, SpaCy

Operational Tools: Git, GitHub, GitHub Actions, Docker, Kubernetes

OS/Cloud: Linux, Google Cloud Platform (GCP), Vercel

Testing Tools: Jest, React Testing Library, Postman

Databases: MySQL, MongoDB, PostgreSQL, SQLite

Data Structures and Algorithms: C++

Machine & Deep Learning: Supervised Learning, Unsupervised Learning, CNN, RNN, LSTM, GAN, Transformers, NLP, Fine-Tuning, Hyperparameter Tuning

Web Services: RESTful APIs, REST Web Services

IDEs: VS Code, Eclipse

Coding Profile

LeetCode: 200+ problems solved in Arrays, Linked Lists, Stacks, Queues, Recursion, Strings, Trees.

Profile: https://leetcode.com/u/Akash$_j$adhav2003/

Education

JSPM's Bhivarabai Sawant Institute of Technology and Research	Pune, India
Bachelor of Computer Engineering	*2022 – 2026 — SGPA: 8.86*
Amrita Vidyalayam	Pune, India
Higher Secondary Education	*(2019 – 2021 — 84.17%*
Subodh Vidyalaya	Pune, India
SSC	*(2018 – 2019 — 91.40%*

Certifications

- **ISRO:** Deep Learning in Ecological Studies, Geo-Computation and Geo-Web Services

- **Reliance Foundation Academy:** Artificial Intelligence

- **Udemy:** Machine Learning A-Z (Hands-On Python and Data Science)

- **Microsoft & SAP:** AI Intern Certificate (via TechSaksham)