Atharv Deshpande

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Education

SCTR's Pune Institute of Computer Technology (Pune University) Pune, Maharashtra June 2021 – June 2025
- BE Computer Engineering, GPA: 8.58

Experience

Graduate Engineering Trainee, Cencora, Pune, Maharashtra, India August 2025 – Present
- Develop custom plugins for CenChat that integrate with SharePoint data repositories, enabling business units to query and extract insights from their proprietary data through conversational AI
- Develop AI-driven internal tools and workflows for the AIPS team, applying skills from Cencora's structured training in Cloud, DevOps, Data Engineering, and AI/ML

AI Intern, JMedia Corporation, Dallas-TX-USA March 2024 – July 2024
- Developed backend and authentication systems for websites powered by Phoenix Labs, utilized by over 10,000 users, significantly enhancing overall security.

Project Intern, Infinity Pool, Pune, Maharashtra, India July 2024 – April 2025
- Worked on building a smart stock prediction system that combined BiLSTM and Liquid Neural Networks (LNN), using a mix of technical indicators, financial ratios, and even market sentiment to understand trends better.
- Helped the model reach an impressive 87% accuracy, making it a reliable tool for forecasting Nifty 50 and stock prices with real-world investment insights.

Skills

- Cloud: Azure , Cloud services, Serverless Concepts
- Programming Languages: C++, Python, Java(OOPS)
- Web Development: HTML, CSS, React, Javascript
- Databases: SQL
- Frameworks and Tools: LangChain, .NET, Django, Flask, Bootstrap, Git, Firebase, Power BI
- Spoken Languages: English, Hindi, Marathi

Projects

- **DevOps Automated Pipeline with Microservices & GitOps**, Azure DevOps | Kubernetes | GitOps
  - Built an automated CI/CD pipeline in Azure DevOps to deploy a three-microservice application (Voter, Result, Worker) to Azure Kubernetes Service using containerized workflows and GitOps-driven deployments via ArgoCD.
  - Strengthened reliability and security through continuous reconciliation, version-controlled releases, and integration of SAST, RBAC, and POLP.
- **Contract Understanding and Insights finding assistant**, Python | Azure AI | Databricks
  - Developed a RAG-based Gradio chatbot using Document Intelligence, Cosmos DB, FAISS vector store, and text-embedding model for contract extraction and semantic search.
  - Implemented a Databricks-driven pipeline using GPT-4.1 with chat history, memory, and dynamic PDF uploads that automatically handle extraction, embedding creation, and vector DB updates.
- **Scanalyze**, Python
  - Created an advanced TensorFlow-based model that performs background removal, edge detection, image classification, and forensic similarity checks using metadata and VGG predictions.
  - Built a comprehensive digital forensic pipeline enabling image authenticity verification through pixel-level comparison, metadata analysis, and model-driven validation.

Certificates and Achievements

- **Certifications**
  - AI Essentials(Google), Cybersecurity foundation (Google), Java essentials(PICT)
- **Achievements**
  - Solved 500+ DSA & Competitive Programming problems, strengthening algorithmic thinking; participated in multiple college-level and national hackathons.
  - Achieved Maharashtra State Rank 18 in MTSE and won gold & silver medals in district and school-level Olympiads.