Atharva Khairnar

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EDUCATION

The University of Texas at Dallas   Richardson, TX
Bachelor of Science in Computer Science   *Aug 2024 - May 2027*
Relevant Coursework: UNIX Programming, Advanced Data Structures and Algorithms, Software Engineering, Computer Architecture, Computer Networking

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, HTML/CSS, C++, Assembly, PHP
Frameworks & Tools: FastAPI, Flask, React.js, Next.js, Node.js, Express, PostGreSQL, PyTorch
Cloud/Infra: WS (ECS, S3, RDS, Lambda), Docker, Kubernetes, GitHub Actions, Linux

EXPERIENCE

Software Developer Intern   Jan 2026 – Present
Deepiri
- Building AI-powered document processing pipelines using Python and LLM APIs, automating extraction and classification of structured data across 5+ document types
- Developing and deploying RESTful microservices with FastAPI and Docker, integrating with cloud infrastructure on AWS for scalable document intelligence workflows
- Collaborating with cross-functional teams to design system architecture for supply chain intelligence features, reducing manual document review time by around 30%

Full Stack Web Development Intern   May 2023 – Aug 2024
Yogik Roots
- Built and deployed a full-stack e-commerce platform using MongoDB, Express, React, and Node.js, supporting 100+ products with dynamic product pages, cart functionality, and secure checkout flows.
- Improved site performance and SEO through structured data implementation, keyword optimization, and performance tuning, increasing organic traffic by 30%.
- Automated product uploads and inventory management with backend scripts and database triggers, reducing manual workload by 40%.

PROJECTS

VibeCheck | *CodeBERT, Python, JavaScript, React, RestAPI, Pytorch, Machine Learning*
- Built a full-stack AI vulnerability scanner that analyzes Github repositories and websites for any potential vulnerabilities, and returns possible solutions.
- Fine-tuned a CodeBERT transformer model on the DiverseVul dataset and curated web-scraped CVE data to improve detection of common vulnerability pattern
- Developed a secure React dashboard with GitHub OAuth integration, enabling authenticated repository scanning, real-time results visualization, and detailed vulnerability reporting.

Stock Market Predictor | *Python, Matplotlib, React, Pytorch, Pandas, FastAPI*
- Creates predictive regression models from real-time and historical stock market data to forecast price movements, trend directions, and key financial indicators
- Developed neural network for time-series forecasting of stock prices using 5+ years of historical market data
- Created interactive dashboards using Matplotlib that visualize historical trends, feature importance, model predictions, and error margins.
- Built RestAPI with FastAPI serving real-time predictions; integrated React frontend with MongoDB for user portfolio tracking

Financial Finish | *FastAPI, Python, Gemini API, React, Git*
- Developed an interactive full-stack web application that personalizes Toyota vehicle financing and leasing options using dynamic financial modeling and AI-generated insights.
- Built a FastAPI backend that performs real-time finance and lease calculations, and payment breakdowns
- Integrated Gemini API to generate personalized car recommendations and financial guidance.
- Led the team during a hackathon to ideate, design, implement, and integrate a working prototype under a tight deadline.