

# 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

**Frameworks:** React, Node.js, Flask, WordPress, Next.js, FastAPI, Vite, Pytorch

**Developer Tools:** Git, Docker, Figma, Google Cloud Platform, VS Code, Amazon Web Services, Excel

## EXPERIENCE

### Full Stack Web Development Intern

May 2023 – Aug 2024

*Yogik Roots*

- Built a full e-commerce website using WooCommerce + custom PHP/JS integrations, supporting dynamic product listings and cart/checkout flows.
- Improved SEO visibility by conducting keyword research, schema markup updates, and performance optimization, increasing organic traffic by 30%.
- Implemented backend automation scripts for product uploads and inventory updates, reducing manual work by 40%.

### Stem Tutor

Jun 2023 – Aug 2024

*Leap4Ward*

- Delivered individualized curriculum across math, programming, and logic for 30+ students, resulting in a 25% improvement in performance.
- Created interactive problem-solving exercises and data-driven progress tracking tools using Google Sheets.
- Increased engagement by integrating real-world CS and math applications (e.g., algorithms, game logic, physics modeling).

## PROJECTS

### VibeCheck | *CodeBERT, Python, JavaScript, React, RestAPI, Pytorch*

- \* Developed a full-stack web application that reads the users codebase, scans the tech stack, analyzes for any potential vulnerabilities, and returns possible solutions.
- \* Trained a CodeBERT model tuned on web scraped common vulnerability data and DiverseVul dataset
- \* React dashboard and visualization with Github OAuth user login

### Stock Market Predictor | *Python, Matplotlib, React, Pytorch, Pandas, Yahoo Finance*

- \* Builds predictive regression models from real-time and historical stock market data to forecast price movements, trend directions, and key financial indicators
- \* Built ML model using pandas and Pytorch, pulling pricing, volume, and technical indicators from Yahoo Finance
- \* Created interactive dashboards using Matplotlib that visualize historical trends, feature importance, model predictions, and error margins.
- \* Uses a React dashboard with MongoDB user storage

### Smart Vehicle Financing Advisor | *FastAPI, Python, Gemini API, React, Git*

- \* Developed an interactive full-stack web application that personalizes Toyota vehicle financing and leasing options using real-time simulations and AI-generated insights.
- \* Built a FastAPI backend that performs real-time finance and lease calculations, and payment breakdowns
- \* Gemini API to generate tailored car recommendations and financial guidance based on user profiles.
- \* Collaborated with Minecraft server administrators to suggest features and get feedback about the plugin