

CHAITANYA KHARCHE

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SWE with 1.5+ years of solid background in CS and math who loves diving deep into coding, algorithms & optimization.

EDUCATION

Northeastern University, Master of Science in Computer Science - GPA: 3.14

Boston, MA

Relevant Courses: Mobile App Dev, DBMS, Algorithms, OOD, Data Structures

09/2022 - 05/2025

Savitribai Phule Pune University, Bachelor of Engineering in Civil Engineering

07/2018 - 07/2022

PROGRAMMING SKILLS

Languages: C, C#, Java, JavaScript, Python, SQL, Dojo

Technologies: AngularJS, ReactJS, NodeJS, HTML5/CSS3, RESTful API, Django, Flutter, NPM

Database: MySQL, NoSQL, PostgreSQL MongoDB, Snowflake

Cloud & Tools: Amazon Web Services (AWS), Docker, Git, Firebase, OAuth, SSL, J2EE

EXPERIENCE

Stealth Startup | FullStack Developer

Remote, USA | 09/2023 - 12/2023

- Prototyped a ride-share app for a key demographic in React & Django, retaining customer centric features.
- Developed navigation features, integrating maps & routing algorithms deployed on CI/CD using AWS.
- Collaborated in Agile teams, contributing to high-quality, scalable client-server software solutions.

Bredcrums AI | Software Developer Intern

Remote, USA | 06/2023 - 08/2023

- Co-Developed a platform that uses LLM's such as GPT-3.5, GPT-4 and BARD to aid researchers & consultants.
- Enhanced research processes by integrating Pinecone for vector embeddings, realizing a 22% system refinement.
- Implemented test automation and database optimization using Python and MySQL, achieving 12% robustness.
- Utilized REST APIs and MySQL queries, reduced times by 10% and enhanced the overall database system to synchronize & manage large data sets, improving data integrity across the system.
- Led the transition to microservices using AWS, allowing 12% more user handling without performance loss.

Acropolis Systems | Software Engineer

Pune, IN | 05/2022 - 12/2022

- Developed a .Net-based HRM system, emphasizing backend functionalities like data storage and security, showcasing strong skills in C# and the .Net framework. Used SQL to store data in a relational database.
- Integrated security features using .Net's built-in libraries, ensuring data handling and enhancing system reliability.
- Engineered a CI/CD pipeline in Kubernetes for deploying AWS EC2 CloudMetrics monitoring instance handling 3 Docker containers, integrated employee database & product catalog. Improved infrastructure by 11%.

GTL Softwares | Application Developer

Mumbai, IN | 06/2021 - 12/2021

- Transformed 10+ Small Businesses/Startups to digital platforms through full-stack development using HTML5/CSS3, Angular, Backbone.js & Dojo, native Android application development using Agile methodologies increasing their digital footprint while managing database architectures using MongoDB, Node JS and Spring MVC.
- Developed a native [Android/iOS](#) app for crop disease detection using Flutter, Dart Stream, Swift, NodeJS, and Firebase. Utilized Figma for designing user-friendly interfaces for a cross-platform crop disease detection app and a video calling feature, contributing to a client revenue increase of \$8000+.
- Worked with Libraries like React, Node & Angular integrating them with REST & SOAP API's such as Fedex, Vantage, GMaps etc., facilitating data storage in Firebase & AWS all the while using Jira for Project Tracking.

PROJECTS

Supply Chain Optimization: Developed a model for inventory optimization in Django using mixed-integer linear programming, Increased cost-efficiency by 15% through Pandas & Python for data integration and analysis.

EventBuzz: A MERN application with a structured MySQL database. It streamlines event organization and attendee interaction, using API testing via Postman for backend calls. Its technical architecture uses a suite of SQL scripts for efficient DB management, catering to both technical audiences & recruiters with its clean, modular design.

UberClone: Cross platform app with distinct interfaces for drivers and passengers, utilizing Firebase, Google Maps & GeoFire for backend & location tracking. Supports ride management, user profiles, and trip histories with a cross-platform, responsive UI. Future enhancements include fleet data for analytics & optimizing route navigation.

EXTRA CURRICULARS

Microsoft TEALS | Computer Science Coach

Remote, USA | 08/2023 - 12/2024

- Served as a Coach for 20 students undertaking **Object Oriented Programming in Java**, strengthening their fundamentals in OOD, Emphasized problem-solving, code modularity, and reusability.