

CAJETAN RODRIGUES

San Jose, California | 408-690-9231 | cajetanrodrigues88@gmail.com | [linkedin.com/rodriguescajetan](https://www.linkedin.com/rodriguescajetan) | github.com/CajetanRodrigues

EDUCATION

Masters of Science, Computer Science.

Dec 2023

San Jose State University, San Jose, CA (GPA: 3.66)

Related Coursework: Data Structures & Algorithms, Database System Principles, Topics in Artificial Intelligence, Mobile Device Development, Advanced Parallel Processing.

Bachelor of Engineering, Computer Engineering

Jun 2020

Fr. Conceicao Rodrigues College of Engineering, Mumbai, India (GPA: 3.89).

Related Coursework: Operating System, Computer Networks, Big Data & Analytics, Data Warehousing & Mining, Cryptography & System Security, Distributed Computing, Natural Language Processing, Cloud Computing, Computer Organisation & Architecture.

TECHNICAL SKILLS

Programming Languages	Python Javascript Java
Web Technologies	React.js Redux ExpressJS Node.js HTML5 CSS3
Databases	MySQL PL/SQL MongoDB Neo4j
Cloud	Amazon Web Services (EC2 RDS S3 Lambda Cloudwatch)
Miscellaneous	Agile Methods Git JIRA Project Management Android Studio

EXPERIENCE

Incoming Software Developer Intern | Apple, San Diego, California.

May 2023 - Aug 2023

I will be working for the Core OS, Power, and Performance Team focused on reducing energy consumption on Apple Devices.

Senior Software Engineer | Cimpres India Private Limited, Mumbai, India

Oct 2020 - Aug 2022

- Spearheaded the Sessions API infrastructure, backbone for several projects across Cimpres Tech by harnessing power of AWS ElastiCache: Redis for efficient caching of frequently fetched records, improved retrieval time by 10 fold.
- Led the Chronicles UI Library leveraging ReactJS as well as published library to npm registry and is now reused across several projects in Cimpres.

Full Stack Software Developer Intern | Google Summer of Code, Mumbai, India.

May 2019 - Sep 2019

- Directed open-source project, Mifos Initiative, facilitated financial service providers to efficiently deliver responsible financial services to world's 2 billion poor and unbanked.
- Enhanced performance of database by performing indexing allowed faster lookups, thus enhancing user experience of Mifos banking services by 20 percent.

Full Stack Software Developer Intern | Teach For India, NGO, Mumbai, India.

Jun 2019 - Aug 2019

- Upgraded project by formulating reusable components for onboarding of individuals, from nation's best universities and workplaces, to serve as full-time teachers to children from underserved communities in some of nation's most 60 percent under-resourced schools.
- Devised features for the TFI student application and handled application process for 20000+ candidates.

PROJECTS

Capacitated Vehicle Routing Problem using Metaheuristics | Masters Thesis Project.

Jan 2023 - Dec 2023

- Currently pursuing a project on Adaptive Large Neighborhood Search (ALNS) algorithm for the Capacitated Vehicle Routing Problem (CVRP).
- Gaining hands-on experience in applying metaheuristic algorithms for solving complex NP-Hard optimization problems through the ongoing implementation of ALNS for the CVRP.

Real-time Covid-19 Tracker App | Ionic Native, Python Flask, AWS.

Apr 2020 - Sep 2020

- Pioneered a visually appealing cross-platform android application by harnessing Ionic Framework tracked Covid-19 cases in India with real-time and statistical analysis using Python Flask and published it on google play store.
- Utilized a scrapper library in python to scrape potential data across internet and fetch number of covid 19 cases across 195 countries and further subdivide in terms of city and state and store it on AWS DynamoDB for data management.

Pharma Drone Delivery Mobile App | NodeJS, React Native, MongoDB, AWS.

Aug 2019 - May 2020

- Executed a robust solution that enabled drones to seamlessly supply medical products from warehouse to client, saved time, cost, and effort by 50 percent, and got a research paper produced based on a strong grounded concept.

ACTIVITIES

- Led CSI-CRCE as Technical Event Head and organized numerous events bridging the industry-academic knowledge gap.
- Mentored students in hackathons, offering guidance on tech stacks and frameworks for project enhancement.