

EDUCATION

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| Master's in Computer Science , Santa Clara University, Santa Clara, CA | Sep 2021 - Present |
| Coursework in Machine Learning, Distributed Systems, Big Data, Cryptology, Computer Networks, Advanced Operating Systems, Computer Architecture, Design of Algorithms, Management of Tech Innovation, Cloud Computing, Wireless & Mobile Networks | |
| Bachelor's in Computer Science and Engineering , Chitkara University, India | Aug 2015 - July 2019 |
| Coursework in Artificial Intelligence, Computer Networks, CyberSecurity, Data Warehousing, Database Management Systems, Data Structures & Algorithms, Distributed Computing, Object Oriented Programming, Software Engineering, Web Programming | |

WORK EXPERIENCE

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| Software Engineer Intern Ridecell , San Francisco, CA | June 2022 - Sep 2022 |
| <i>Technologies used:</i> [React JS, Python, Django, Jest, GitHub Actions] | |
| <ul style="list-style-type: none">Developed a full-stack nearby attraction finding module that shows points of interest centered around the end-user on a map based on their geolocation and selected preferences.Created a reusable and responsive Material-UI table wrapper component to replace existing custom-built data tables used at multiple places throughout different web applications.Integrated Jest test coverage report in a multitude of frontend applications used by different customers as a DevOps GitHub Actions so that the application can be thoroughly tested in the development phase itself.Added internationalization and localization functionality in the backend and frontend through Phrase integration so the same product can be used in different regions effectively. | |

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| Software Systems Engineer Infosys , Pune, India | Aug 2019 - July 2021 |
| <i>Client:</i> Vanguard | |
| <i>Technologies used:</i> [React JS, Express JS, Node JS, HTML, CSS, Bootstrap, JavaScript, AWS] | |
| <ul style="list-style-type: none">The project involved development of one internal employee facing and one public facing web application to promote the partnership and to provide information about the collaboration to Vanguard's clients, consultants, and media.Full stack development using React JS, HTML/CSS, JavaScript, Bootstrap for frontend with a mobile responsive web experience and backend APIs in ExpressJS and MongoDB as database.The project helped in boosting the relationship with the customer and was one of the many factors that helped in securing Infosys's largest deal yet estimated at about \$1.5B over 10 years. | |
| <i>Client:</i> ABN AMRO Bank | |
| <i>Technologies used:</i> [React JS, PEGA, HTML, Bootstrap, JSON, REST Web Services] | |
| <ul style="list-style-type: none">Developed a mortgage calculator using React JS that helped borrowers understand how much they can borrow and estimated monthly outflow considering applicant age, current obligations, income, and other factors.Integrated the application with PEGA customer interaction and engagement software to transfer data between systems and created several production deployed REST web services.This calculator resulted in a significant increase in the conversion rate for potential applicants visiting the website and providing their contact information for an agent to follow up with them. | |

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| Software Engineer Trainee Infosys , Mysore, India | Feb 2019 - May 2019 |
| <i>Technologies used:</i> [Python, Django, React JS, SQLite, Heroku] | |
| <ul style="list-style-type: none">Developed a Food Delivery Application which allows users to order food from local restaurants & fast-food chains and track the order status in real-time with a map following the delivery driver and ETA information.User interface was developed using React JS, Django web framework and Python for the backend and SQLite as the database. Also, deployed the React application using a Continuous Deployment pipeline in Heroku, which eliminates about 2.5 hours of manual deployment effort per merge. | |

ACADEMIC PROJECTS

- Natural Language Processing:** Text processing and vectorization of dataset containing 20000 newsgroup documents and performed clustering using gensim, scikit-learn in Python to classify the archives into 20 distinct classes. [\[github\]](#)
- Spotify Music Controller:** React web application to consume Spotify REST APIs for controlling music playback with backend developed using Django web framework. [\[github\]](#)
- UDP Connection:** Established connection between server and client using socket programming in C language. [\[github\]](#)
- PageRank:** Ranked 685,230 web pages from google web-graph data set in Spark using power iteration and naive algorithms separately and showed the superiority of using multiple partitions over no partition. [\[github\]](#)
- Event-Driven Notification Service:** Designed publisher-subscribe model that provides real-time notifications to subscribers utilizing distributed system protocols such as broadcasting, concurrency control, shared memory. [\[github\]](#)
- iCare:** Developed a medical emergency healthcare assistance multi-screen native Android app using various layouts and UI elements using Java JDK in Android Studio IDE.

TECHNICAL SKILLS

Technologies: Django, React JS, Angular JS, Express JS, Node JS, REST Web Services, jQuery, Android, Spark
Languages: Python (scikit-learn, PyTorch, NumPy, Matplotlib), JavaScript, C, C++, Java, PHP, HTML, Kotlin
Databases: MongoDB, SQL
Cloud Platforms: AWS, Heroku