

## BHAVYA RANGU

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### EDUCATION

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#### California State University, Fullerton

Masters in computer science

August 2022-May 2024

**Relevant Coursework:** Analysis of Algorithms, Machine Learning, Artificial Intelligence, Cyber Forensics.

#### Sreenidhi Institute of Science and Technology

Bachelors in Electronics and Communication, CGPA: 8.24

Hyderabad, India

August 2017 - July 2021

### TECHNICAL SKILLS

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- **Languages/OS:** Python, Java, C, C++, SQL, C#, PHP, SQL, R, Golang, Kotlin, Ruby on Rails, HTML, CSS, JavaScript, TypeScript, Unix, Linux
- **Tools and Frameworks:** Docker, Angular, Kubernetes, Git, Gitlab, JIRA, Jenkins, Selenium
- **Web/Mobile Development:** Flask, Django, Node, Express, React, Next, Angular, Redux, Spring Boot, REST, Android Studio, Swift, .NET
- **Databases:** MySQL, SQLite, MongoDB, PostgreSQL, Cassandra
- **Cloud Technologies:** AWS (Lambda, EC2, S3, ECR, Route 53, IAM, DynamoDB, RDS, EBS, Kinesis), Azure SQL Database, GCP, Salesforce

### PROJECTS

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#### Real-Time Data Processing of Split wise Data using Big Data Technologies

- Handling and analyzing the information available in the application Splitwise in real-time so we can get the cost designs, person investing propensities, and suggestions for taking a toll optimization.
- Technologies: Apache Kafka, Apache Spark, Apache Scala, Apache Cassandra, Spring Boot, JetBrains Kotlin, Docker Desktop, Docker Compose, Gradle, SBT (Simple Build tool)

#### CHATBOT

- Technologies: Node.js, HTML, CSS, Python, Machine learning algorithms, NLP, JavaScript, React JS, Passport
- Developed an innovative Chatbot application to provide intelligent and context aware assistance to users. It takes the input of both voice and text and answers according to the query. I had integrated google authentication to it.
- Designed and developed RESTful APIs for seamless communication between the frontend and backend services, ensuring efficient data handling and real-time responses. Deployed and managed the application on Google Cloud Platform (GCP), leveraging its services for scalability and reliability.

#### E commerce book store

- Developed an e-commerce book store project based on ASP.NET Core and C# for robust backend development, with Entity Framework Core for database management.
- I had used Stripe for payments, Twilio for SMS notifications, and supports OAuth authentication via Facebook and Google. Docker is used for containerization, ensuring consistent environments and streamlined deployments.

### JOB EXPERIENCE

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#### DARWINBOX

Hyderabad, Telangana

##### Web Developer Intern

May 2019–Nov 2019

- launched a feature-rich website, attracting 1,000+ monthly visitors with HTML, CSS, and JavaScript
- Handled security (90% reduction in vulnerabilities) and UX (20% enhancement) through cookies, and design optimization. Made web pages dynamic and asynchronous using AJAX, JSON and XML.

#### Tech Mahindra

Banjara Hills, Telangana

##### Full stack developer

Jan 2020 – Aug 2021

- Involved in analysis, design, and development and testing of the application and participated in Daily Stand - Up scrum for client requirements.
- Designed user-centric front-end applications and interactive web pages utilizing HTML, XML, and CSS.
- Developed navigation bars and enhanced interactivity on web pages through jQuery plugins, AJAX, and JavaScript.
- Undertook a comprehensive website redesign to align with web and industry standards. Used Node.js frameworks in the construction of web applications. Developed and maintained server-side applications using Java8, and core Java, ensuring robust and scalable backend solutions.
- Developed Single Page Web Application with React.js, Redux, Express.js, Node.js, REST API, and MongoDB.
- Used Postman to test API and used GIT as version control tool. Used React, JavaScript, Query to create Controllers to handle events triggered by clients and send request to server

#### INFOSYS

Banjara Hills, Telangana

##### Software Engineer

Sep 2021- Aug 2022

- Led full-stack development using Angular, Node.js, .NET, C#, Entity framework 6.0 and SpringBoot, integrating microservices for a 25% scalability improvement. Debugged the application using Chrome Inspector, Firebug, IE Tester and many other debug tools.
- Inspected migration of cloud infrastructure to AWS, resulting in a 30% cost reduction and increased reliability. Collaborated with clients to integrate innovative Machine Learning modules into their application significantly improving efficiency and effectiveness.
- Involved in implementation of RESTFUL web service APIs using Node.js, .NET, which were consumed by making AJAX calls and JSON as data exchanging tool. Integrated third-party APIs and services to expand application functionality and provide richer features to end-users.
- Worked with partners and clients at every stage of implementation of the integration, for instance to gather requirements, review completed implementation.
- Implemented continuous integration and continuous delivery (CI/CD) pipelines using tools such as Jenkins, GitHub CI, and Docker, automating the testing and deployment processes to ensure rapid and reliable delivery of new features. Gained an experience with test-driven development and agile environment.
- Participated in regular sprint planning, backlog grooming, and retrospective meetings, contributing to continuous improvement of development processes and team efficiency.

### IT STUDENT ASSISTANT

May 2023- May 2024

- Assisted in designing, maintaining, and optimizing databases. Developed and maintained websites using HTML, CSS, JavaScript, and CMS platforms. Monitored site performance, security, and analytics to ensure optimal operation.