

Deep Madhvani

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EDUCATION

California State University, Fullerton, USA

January 2024

- Master of Science, Computer Science
- Coursework: Artificial Neural Network, Advance Algorithms, Advanced Database Management, Mobile Dev programming

GPA – 3.60/4.00

Gujarat Technological University, India

August 2021

- Bachelor of Engineering, Computer Engineering
- Coursework: Data Structures and Algorithms, Object-oriented Design, Software Engineering, Artificial Intelligence

GPA – 3.68/4.00

TECHNICAL SKILLS

- **Programming Language:** Java, Python, JavaScript, C, C++
- **Web Technologies:** AngularJS, Node.js, HTML, CSS, Express.js, REST, Apache Maven
- **Machine Learning Libraries:** TensorFlow, Pytorch, Pandas, OpenCV, Keras, Scikit-learn
- **Database / other:** Algorithms, JIRA, Asana, Git, Firebase, MySQL, DynamoDB, MongoDB, AWS services, Microsoft Azure, Hadoop, Tableau
- **Interpersonal Skills:** Teamwork, Communication, Public Speaking, Problem Solving, Leadership

WORK EXPERIENCE

IT Student Assistant, California State University Fullerton, USA

April 2022 - Present

- Organizing OPManger, we adeptly monitor, configure, report, and support devices, ensuring optimal efficiency
- Implementing proactive troubleshooting techniques, minimizing downtime, and ensuring smooth website operations by taking advantage of OPManger software for university servers, routers, switches, and virtual machines
- Collaborating with IT team to maintain server room and optimize university websites and portals operating Data center Expert by Schneider Electric software to ensure seamless operations

Software Engineer, Creative web Infotech, India

April 2020 - December 2021

- Applied agile and test-driven development for a web app with **AngularJS, NgRx, Node.js, HTML5, SCSS**
- Handled backend with **AWS** (lambda, API Gateway, VPC) services, Databases with **SQL, MongoDB**, and Amazon **RDS**. Initiated **GraphQL** for fast and flexible data retrieval. Debugging and testing code, Bug reporting and process tracking with **Asana**
- Integrated a configurable portal for dynamic data ingestion, managing with Client & marketing teams, boosting performance by **50%**

Web Developer Intern, Bearbook, India

May 2019 - August 2019

- Revamped an interior company's website deploying **AngularJs**, coordinating with an Agile team to enhance codebase efficiency by removing **40%** of redundant code
- Served **REST APIs** for clients and made ERP-Courier Integration using web services (REST and SOAP)
- Implemented Angular unit testing with **Jasmine and Karma**, utilized Angular modules and directives for interior website enhancement

Software Engineer Intern, Creative Infotech, India

May 2018 - July 2018

- Created parking availability app with **Java/Kotlin**, Android Studio, and modern frameworks, ensuring accurate slot information
- Adopted multiple data feeds and **APIs** to achieve **95%** accuracy in real-time parking availability updates

CERTIFICATION

Google IT Automation with Python Professional Certificate (Advance level) By Google | **Badge**

Python, Git and GitHub, Troubleshooting, Cloud, Automation

Google Project Management | **Badge**

Agile, Waterfall, Management, Planning, Communication

PROJECTS

Sentiment Analysis (Python, Keras, TensorFlow) - [GitHub](#)

April 2023 - May 2023

- Employed sentiment analysis to assess comments left by students at Ratemyprofessors
- Created Neural Network with **Keras, TensorFlow** that detects quality from ratings, analyzed data and predicted professor teaching
- Established RNN boosted Ratemyprofessors teaching skill accuracy to **85%**, while **Tableau** aided visualization for insights

Handwritten Digit Recognition (Python, TensorFlow) - [GitHub](#)

March 2023

- Devised application to recognize handwritten digit in **sklearn** dataset. It can be extended to leverage the **MNIST dataset** as well

Integration of database System for Plastic Production

February 2022 - April 2022

- Increased Productivity by **30%** by taking care of production data in the **MySQL** database
- Reduced wastage material by **25%** with sufficient observation of waste data

IOT based Assistance System for Automated farming Technology

August 2020 - May 2021

- Technology Stack: **Arduino, Java, PHP, Google Firebase**, and **Android Studio**
- Designed a Working model and software for solving agricultural issues and managing Automatic systems in rural area with **IoT**-based solutions that increase the effectiveness by **80%** with sensors
- Android app leveraging Google Firebase for accurate data retrieval, improving time efficiency by **95%**