Rakshith Poojary

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Graduate student at the University of South Florida with industry experience in Augmented Reality, Artificial Intelligence, and Web Development. Proven track record of delivering high-quality products with multiple accolades across work and internships. Driven by an unwavering enthusiasm for expanding knowledge and expertise in the field of Computer Science.

PROFESSIONAL EXPERIENCE

SONY INDIA SOFTWARE CENTRE **Bengaluru, Karnataka, India**
Software Engineer *September 2021 – June 2023*

- Contributed to multiple projects in the fields of Augmented Reality and Web Development that were in line with the company's vision.
- Engaged in the development of multiple Proof of Concepts (POCs) for AR applications across Android, iOS, and Nreal platforms.
- Designed and developed an innovative web application to create a 3D mesh of a subject from limited mobile camera scans. Received the runner-up award for this project in an event for graduate engineer trainees.
- Provided cross-division support in the development of an internal web portal for SONY developers, enabling remote access and testing of machine learning models with IMX-500 sensors. Provided support in front-end development using Vue.js and backend integration with Python and Flask.

AVYSH **Bengaluru, Karnataka, India**
Software Engineer Intern *January 2020 – August 2020*

- Project: Product review & rating system
- Worked on a team of three to develop an e-commerce website with an emphasis on the rating and review modules.
- Used technologies like Node.js, MongoDB, and Handlebars. Hosted the application on a cloud PaaS.
- Won the award for Best Project among all other intern teams.
- Conducted research on ERP software as part of the student product research team.

DLITHE CONSULTANCY SERVICES PVT. LTD. **Bengaluru, Karnataka, India**
Intern *July 2020 – August 2020*

- Undertook training in Machine Learning. Studied and implemented various algorithms.
- Developed an ML model using the logistic regression algorithm and deployed it on a Flask server.
- Performed data analysis and developed ML models on four datasets. Displayed the steps and results on a Jekyll website.
- Received the 'Best Performer' award in the batch.

EDUCATION

NMAM INSTITUTE OF TECHNOLOGY **Karkala, Karnataka, India**
Bachelor of Engineering in Computer Science & Engineering *August 2017 – October 2021*

- B.E. in Computer Science & Engineering with 8.66 CGPA (**3.73 GPA**)
- ACM SIG head for Artificial Intelligence - NMAMIT Chapter (2019 - 2020)
- Trained students at a Machine Learning workshop held in collaboration with the Google DSC chapter.
- Volunteered in organizing and managing competitive coding events on campus.

PROJECTS

ReactJS and React Native Projects

- React web app to analyze facial expressions and suggest music based on emotion/mood. Using: DeepFace API, Spotify API, React.JS
- ReactJS clones (UI and basic functionalities) of WhatsApp web, Amazon and Twitter
- ReactJS Covid-19 tracker using disease.sh API
- React Native Instagram clone

Artificial Intelligence-based Clinical Decision Support System (CDSS) - Capstone project

- Developed an interactive web tool to assist medical practitioners in diagnosing patients with the help of Machine Learning models.
- Technologies used: Python, Flask, HTML/CSS/Bootstrap

MERN Exercise Tracker

- A MERN stack web application to track the exercise of multiple users.

Car Rental Service - College Project

- Cloud Project to ease a customer's need when they want to rent a car and automate the process with the help of cloud services.
- Technologies used: Node.JS, MongoDB, Handlebars, Heroku, Cloudinary.

Other minor projects

- ChatBot: Designed a chatbot using the ChatterBot Python library, which used a selection of machine learning algorithms to produce different types of responses according to the input.
- A Python script to process live tweets through the Twitter API and analyze them using the Tweepy library.
- A voice assistant with limited functionality developed using Python3.

SKILLS

Technical skills: C/C++, Python, Java, HTML/CSS/Javascript, Machine Learning, MERN (MongoDB, Express, React, Node.js), React Native, Git, Docker, Unity, JIRA / Confluence, Agile Software Development, Adobe Premiere Pro & Photoshop.

Soft skills: Effective communication, Teamwork, Time management, Adaptability, Problem-solving, Leadership, Customer Service, Conflict Resolution.

CERTIFICATES

- Deep Learning Specialization from Coursera (ENZ8QP4842ZR)
- Intermediate React from Frontend Masters
- Machine Learning from BITS Pilani Goa Campus

LANGUAGES

- English
- Kannada (Indian)
- Spanish (Level - Beginner)
- Hindi (Indian)
- Tulu (Indian)
- Japanese (Level - Beginner)