Pranay Mandadapu

Software Developer

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Objective

An internship in Software Developer/Machine Learning/Data Engineer/Python Developer roles. Zealous about Software Development and with 1+ years of experience specializing in Machine Learning, Python development, Algorithms, and Full-stack web development.

Skills

Languages – Python, C++, C, JavaScript, Java, HTML, CSS
Web Framework/Technologies – Angular, React, Flask, Django, DevOps, Docker, PySpark, Kubernetes, Rest API Development
Data Science/Machine Learning Libraries - TensorFlow, PyTorch, Pandas, NumPy, MATLAB, MYSQL, Hadoop
Cloud Technologies - Amazon Web Services, Azure, Google Cloud Platform

Education

Master's Degree – Computer Science, University of Wisconsin Milwaukee, Milwaukee – GPA – 3.86/4.0 **December/2023**

- **Graduate Teaching Assistant** for Cloud Computing & Operating Systems
- **Three-time** recipient of the **Chancellor's Graduate Student Award** for $8,000 (2022 – 2023)
- Lead and organized **Google Developer Student Clubs** - Supported by **Google** (2022 – Current)

Bachelor's Degree – Computer Science, GITAM (Deemed to be University), India – GPA – 3.86/4.0 **June/2016 – June/2020**

- **1st position** out of 100 teams in the Swish International hackathon organized by Japanese – based institutions and won cash prize of $700 (2019)
- **Coding problem designer** for the coding organization code hackathon for the department of computer science (2018-2020)
- **President** of the National Social Service Scheme education wing, India (2019 – 2020)

Certifications

Harvard University – 2021

- Accomplished CS50 certification, an online computer science course taught at Harvard and Yale universities under Professor David J. Malan

Indian Institute of Technology Chennai – 2019

- Achieved "**Data Structures and algorithms with Python" elite certificate** from one of the prestigious Indian Institute of Technology in India

Publication

Artificial Intelligence Paper- 2020

- Pranay, Mandadapu., Rajkumari, H. V., Rodda, S., Srinivas, Y., & Anuradha, P. *Gideon-an artificial intelligent companion*. Springer

Experiences

Technical Advisor / Financial Assistant, University of Wisconsin-Milwaukee, Wisconsin
February 2022 to current

- Pulling and analyzing financial data from the university's Shared Financial Systems (SFS) to find irregularities among the employees' accounts and raise alerts to appropriate authorities.
- Designed and implemented an algorithm using **Python and Pandas** to generate Excel files by parsing **600+ emails** to extract essential information from financial records. This resulted in a **75% increase** in speed vs previous manual work.
- Automated employee record creation in the budget funding entry portal. This resulted in a **95% increase in speed** in record creation by developing a Chrome extension using **JavaScript** and building a local web server **API** in **Python Django** to fetch employee details.

Software Developer SDE, Tata Consultancy Services, India
October 2020 to January 2022

- **Software developer** for both teams Tata Telecommunication Services in India and Vodafone broadband services in London.
- Designed a website for Vodafone to reduce the time for addressing customer complaints by 40%. Accomplished this by using the **Java Spring Boot** framework on the server side and **React JS** on the client side. Followed **Agile** principles while developing the website.
- Maintained and gathered data from **MYSQL** databases containing more than 100 million records, generated reports daily using **SQL scripts**, and sent them to the **data analytical team**.

Selected Entrepreneurial Projects

Launched UNIVISE – May 2022 **uni-vise.com**

- **Built Univise to design** a university recommendation system for international students who seek admission to graduate schools in the USA.
- Developed a machine learning model using the **K-Nearest-Neighbours (KNN)** algorithm to predict best-fit universities utilizing the distance between our training data and user profile as test data.
- Created a web application between the users and a machine learning model using **Python Flask** web framework and deployed the solution at **Amazon Web Services (AWS)** on the **Linux platform**.

Built Style & Smile Website (Online Services platform) – November 2019

- Style & Smile is an online girl's hostel services platform that helps students to book reliable & high-quality services such as Nail-Art, Hairstyle, Make-Up, Mehndi., etc
- Built this website using Python Flask web frameworks, HTML, CSS, and JavaScript, integrated a secure payment gateway to handle students' **financial transactions,** and tackled **concurrency issues** during booking appointments.
- This platform was hosted on Amazon Web Services (AWS) **Elastic Instance**.