ARCHIT AGRAWAL

Software Engineer

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in/Archit Agrawal   github.com/Archit-Agrawal   </> Leetcode/Archit Agrawal

Summary

Profile: A dynamic and versatile computer science aficionado with a passion for innovation and problem-solving. Proficient in Python and adept in machine learning and full-stack development, with a keen eye for data analysis and visualization. Equipped with extensive experience in crafting AI solutions and leveraging emerging technologies to drive business growth. Eager to contribute expertise and drive transformative change in the field of artificial intelligence.

Education

B.Tech CSE-AI *Parul University*   **Vadodara,Gujarat** *2021-2025*
CGPA: 8.05

Higher Secondary School Certificate *Alpha H.S School*   **Neemuch, M.P** *2020-2021*
Score: 95.4%

Areas of Expertise

MERN Stack - Machine Learning - Deep Learning - Data Analysis - Numpy - Pandas-Matplotlib - Seaborn - Data visualization

Professional Experience

Machine Learning Research Intern, *(byteXL)*   **Vadodara, Gujarat** *01/2024 - present*

- Pioneered image-to-text generation using custom stable diffusion techniques
- Participated in data collection, preprocessing, and analysis using Python, PyTroch, or other relevant tools.
- Contributed to writing research papers and reports

Parul Lets Hack Hackathon, *(PU Hackathon)*   **Vadodara, Gujarat** *07/2023*

- Participated in a hackathon focused on solving real-world challenges, demonstrating problem-solving skills and collaborative teamwork in a fast-paced environment
- Collaborated with interdisciplinary team members, including developers, designers, and subject matter experts, to analyze problem statements and devise innovative solutions.

PU Code Hackathon, *(PU Hackathon)*   **Vadodara, Gujarat** *03/2024*

- We demonstrated adept problem-solving skills and collaborative teamwork in developing innovative solutions within a competitive environment.
- Contributed team, leveraging technical expertise to address challenges and deliver creative software solutions, showcasing adaptability and creativity.

Projects

Tuberculosis Detector

- Developed a Tuberculosis Detector using a Convolutional Neural Network (CNN), Where the model analyzes X-ray images to accurately Identify the presence of Tuberculosis in Patients
- Chatbot tailored to provide comprehensive support and information related to TB disease
- Technologies used Python, HTML, CSS, JavaScript, Django, RASA
- Framework: PyTorch, TensorFlow

Crop Disease Detection And Soil Prediction
- Created a tool to help farmers detect crop diseases and analyze soil, using React and FastAPI.
- Developed a Deep learning application for real-time crop disease detection and soil detection.
- Designed a responsive React frontend and integrated it with a FastAPI backend for seamless data flow and interaction.

Heart Disease Prediction
- Developed a machine learning model to predict heart disease.
- Implemented logistic regression using Python and scikit-learn
- Technologies: Python, scikit-learn, NumPy, Pandas, Matplotlib, Jupyter Notebook, Git

Online Courses & Certifications

- Microsoft Certified: Build a Natural Language Processing Solution using Azure AI-Language (02/2023) - [Microsoft](#)
- NPTEL Certification: Software Engineering (11/2023) - [IIT Kharagpur](#)
- Machine learning by Stanford University (12/2023) - [Coursera](#)
- Python Programming: Zero to Mastery (09/2023) - [Udemy](#)
- Data Manipulation Tool: Numpy, Pandas, Matplotlib (03/2023) - [Udemy](#)

Skills

- **Machine learning:** Scikit-learn ,Keras ,TensorFlow
- **Data Analysis and Visualization:** NumPy, Pandas, Matplotlib ,Seaborn
- **Coding Languages:** Python , Javascript
- **Technologies:** HTML5, CSS, Bootstrap, Git, Github, MySQL, MongoDB, Node.js, Express.js, React.js, Canva, Figma
- **Soft Skills:** Presentation, Planning, Organized, Creative Problem-Solving, Teamwork, Active Listening, Adaptability, Analytical Thinking

Languages

- **English**
- **Hindi** [Native]