

AMEY GUPTA

+91-9958773089 ameygpta@gmail.com in linkedin.com/in/ameygupta amey-g.github.io

Education

Birla Institute of Technology and Science, Pilani Campus

Bachelor of Engineering (Honours.) in Electronics and Instrumentation

2019 – 2023

Pilani, Rajasthan

Experience

OneCard (FPL Technologies)

Backend Software Engineer

June 2023 – Present

Pune, Maharashtra

- Responsible for **building, testing and integrating REST APIs** which drove the entire offers section on the application from ideation to production
- Developed the entire backend applications for various segments from scratch such as the Nearby Offers and Merchant Console projects from scratch to deployment

William O'Neil India

Quantitative Trader Intern

January 2023 – June 2023

Bangalore, Karnataka

- Responsible for **researching and developing algorithms for quantitative trading** strategies based on technical indicators
- Wrote several algorithms for multiple strategies, **backtested and deployed them for investment**

Microsoft India

Software Engineer Intern

May 2022 – July 2022

Hyderabad, Telengana

- Collaborated with Bing Travel Destinations Team to enhance data quality on Bing Travel Hub to **develop HitApps for UHRS Crowd-Sourcing Platform** to gather data on **50,000 destinations**
- Extracted key details like Destination Type, Best Time to Visit, and Ideal Stay Duration.
- Implemented robust data processing** to filter out spam and low-quality responses and achieved a high **coverage rate of 98.76%** with **100% precision** for top destinations and 90% for others.

CSIR-CEERI


Research Intern

May 2021 – July 2021

Chennai, Tamil Nadu

- Worked at the **Embedded Vision & Machine Learning** Lab under Senior Scientist Suriya Prakash J, researching on and developing various texture classifiers using **Neural Networks**, Gabor Filters and Wavelet Transforms for Feature Extraction in **Image Classification**

Projects and Publications

Research Paper |  *Comparitive Review of Machine Learning & Deep Learning Techniques for Texture Classification* **2022**

- Researched on improving machine learning and deep learning texture classifiers by implementing a gabor filter and discrete wavelet transform based feature extractor

Task Manager REST API |  *Tasker API*

2020

- Built a **REST API** for a Task Manager Application with all **CRUD** operations supported using **Node JS**, Express JS and various other Javascript Libraries along with **MongoDB** as the database
- A fully functional API with various routes for adding, deleting, updating and listing tasks and also routes for the user to update his/her information and to change their credentials and implemented their programs

Tools and Technologies

Git, Python, Java, C/C++, Javascript, HTML/CSS, Node JS, MongoDB, Clickhouse, Postgres, Express, Flask, Micronaut, Spring Boot, pandas, numpy, Postman, Mockoon, Redis, AWS, Superset, Gradle, Docker, JUnit

Relevant Coursework

Computer Programming, Data Structures and Algorithms, Object Oriented Programming, Operating Systems, Internet of Things, Combinatorial Mathematics, Probability and Statistics, Microprocessors and Interfacing