

MOHAMMAD AABID

COMPUTER ENGINEERING STUDENT

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PROFILE

As a third-year computer engineering student with a passion for software development, I am constantly seeking to expand my knowledge through various courses and projects. With a strong foundation in programming and an eagerness to learn, I am confident in my ability to tackle any challenge and contribute to a team. Eager to apply my knowledge in an internship role and gain hands-on software engineering experience.

TECHNICAL SKILLS

- Proficient in C, C++, Python; familiarity with popular python libraries and frameworks like NumPy, PyTorch and Transformers.
- Experienced with Django; skilled in REST API development using Django REST Framework.
- Proficient in version control using Git and GitHub for code collaboration and knowledge of containerization technologies like Docker for application development.
- Familiarity with Linux, command line tools, package managers, Jupyter notebooks, various SQL and NoSQL databases (PostgreSQL, MySQL, MongoDB)
- Strong grasp of programming concepts like object-oriented design, algorithms and data structures
- Strong at analyzing, problem-solving, and applying skills in real-world scenarios.
- Collaborated on database modeling activities like requirements gathering and schema design for multiple projects

PROJECTS AND WORK

Open Classroom:

- Developed an API using Django Rest Framework and PostgreSQL inspired from 'Google Classroom' with CRUD operations for classrooms, assignments, submissions and features such as role based access, JWT authentication, permissions, pagination, filtering, OpenAPI specification based documentation using SwaggerUI, etc.

Software Development Projects:

- Developed numerous personal Python programs and scripts for automation, web scraping, bots and API integrations.
- Implemented simplified versions of research paper models like Transformers and Llama for NLP and KinD++ for image enhancement.
- Built a system-wide voice typing utility for Linux using Whisper and ydotool.
- Fine-tuned various models like DistilBERT and DistilGPT2, on fairly large datasets(>100k) using HuggingFace Transformers for sentiment analysis and text generation and to advance NLP understanding.

INTERESTS AND GOALS

- I am keenly interested in artificial intelligence and machine learning models, especially natural language processing. I like to stay updated on latest advancements through research papers, blogs and online communities.
- I am currently exploring Computer Vision models for object detection and image processing. I am eager to work on end-to-end projects involving data pipelines, model training and deployment.
- My goal is to apply Machine Learning to tackle complex, meaningful problems. I aspire to collaborate with experienced mentors, understand real-world complexities, continuously expand technical skills, and ultimately transition into an AI research role.
- Seeking internship opportunities at organizations that work with innovative technologies in Artificial Intelligence to gain hands-on industry experience.

EDUCATION

10th Grade / SSC

MVM, Mehkar, Buldhana (2018)

Grade : 9.2

12th Grade / HSC

HBG, Pune (2020)

Grade : 8.4

Bachelor of Technology (B.Tech)

PCCOE, Pune (2021 - Present)

Current CGPA : 8.3

COURSEWORK

Data Structures and Algorithms, Object Oriented Programming, Computer Networks, Database Management Systems, Neural Networks. Deep Learning, Design and Analysis of Algorithms, Theory of Computation

SOCIAL SKILLS

Verbal Communication, Public Speaking, Active Listening, Collaboration

PERSONAL DETAILS

FULL NAME

MOHAMMAD AABID ABDUL RAZZAK KACHHI

AGE

21

LANGUAGES KNOWN

English, Hindi and Marathi

The above information is true to the best of my knowledge

Mohammad Aabid