ANURAG PAL

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EDUCATION

Bachelor of Technology in Information Technology — **Noida, Uttar Pradesh**
JSS Academy of Technical Education, *08/2021 – 05/2024*

Diploma in Computer Science & Engineering — **Greater Noida, Uttar Pradesh**
Galgotias University, *08/2019 – 07/2021*

XII - Physics, Chemistry, Mathematics — **Greater Noida, Uttar Pradesh**
N M Public School, *07/2018 – 08/2019*

Software Engineer

Magic EdTech (SEC-126, Noida) **Present**

- Developing scalable and efficient software solutions.
- Enhancing platform capabilities using AI/ML techniques.
- Collaborating with cross-functional teams for seamless development.

Software Engineering Intern

HCL Tech (SEC-126, Noida) **05/2024 – 11/2024**

- Utilized GenAI models to automatically generate UML diagrams (Class, Sequence, Use Case, Activity) from raw code or textual descriptions.
- Implemented a code parser to analyze programming languages (e.g., Java, Python) and identify classes, methods, attributes, and relationships.
- Automated the generation of UML diagrams, saving time in software design documentation.
- Developed an intuitive user interface for users to input code or descriptions and visualize UML diagrams instantly.
- Created plugins or extensions for IDE integration (e.g., VS Code, Eclipse) for seamless user experience.
- Improved the software documentation process by ensuring accurate and efficient UML diagram creation.
- Technologies used: Python, AI/ML models, UML standards, Graphviz, NLP.
- Reduced time spent on manual diagram creation and increased accuracy in software design documentation.

PROJECTS

Hand Gesture Recognition | Python, NumPy, OpenCV **05/2024 – 06/2024**

- Built a system for real-time hand gesture recognition using machine learning and computer vision techniques.
- Optimized data pipeline for training and prediction to ensure high accuracy and speed.

Charge TRON | Python, Flask, React, MongoDB, Docker **05/2023 – 06/2023**

- Developed and deployed a scalable full-stack application with data management capabilities.
- Integrated secure user authentication and ensured data privacy and security.

Heart Disease Prediction | Python, Scikit-Learn, Tableau **06/2023 – 06/2023**

- Developed a predictive model using logistic regression, achieving 91% accuracy.
- Implemented encryption and compliance protocols to safeguard health data.

TECHNICAL SKILLS

- **Programming Languages**: Python, SQL, C++.
- **Tools & Technologies:** GenAI, Natural Language Processing (NLP), TensorFlow, Graphviz
- **AI & Machine Learning:** Basic Understanding of Deep Learning, Preprocessing Data for AI models
- **Version Control:** Git, GitHub
- **Other:** UML Diagramming, Automated Code Parsing, IDE Integration (VS Code, Eclipse)

ACHIEVEMENTS

- Top 3 Winner of Internal Level Kavach Hackathon for innovative AI-based solutions.
- Top 5 Finalist in Glitch Hackathon, demonstrating expertise in data management and analytics.
- Selected among 500+ teams in SprintHack Hackathon for data management and solution delivery excellence.
- 2nd Winner of Internal Level Smart India Hackathon for a data science-driven project.
- Ranked 3373rd out of 90,000+ participants in a national-level competition.