

PARTH PANDEY

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Technical Skills

Programming Languages: Python, C++, JavaScript, HTML, CSS

Frameworks & Libraries: React.js, Node.js (Express.js), FastAPI, Pandas, NumPy, Scikit-learn, NLTK

AI / ML: Transformers, Neural Networks, NLP, Stable Diffusion, CLIP, BLIP

Databases & Tools: SQLite, Git/GitHub, SQL

Core CS Concepts: DSA, OOP, Version Control, Debugging & Testing

Experience/Projects

Multimodal AI Browser Extension | Stable Diffusion, CLIP, BLIP

- Built a multimodal AI browser extension using Stable Diffusion, CLIP, and BLIP for text-to-image and image captioning.
- Built **user-friendly web and browser extension interfaces** to seamlessly access both modules, enhancing usability and real-time interaction.
- Optimized real-time inference (~5s hover response) with interactive UI for simultaneous multimodal outputs.

Bank Lending System | Node.js (Express.js), SQLite, React.js (JSX), REST APIs

- Developed a full-stack Bank Lending System using Node.js (Express.js) and React.js, integrating secure RESTful backend services.
- Implemented loan creation, repayment processing, customer loan details, and payment history management.

Machine Learning Projects | Python, Pandas, NLTK, Scikit-learn, recommendation, predictive modelling

- Built ML models for price prediction, disease prediction, and recommendation systems using regression, classification, and similarity metrics.

Awards & Achievements

AWS Cloud Practitioner Essentials

Jan 2026

Issued by AWS Training & Certification

Second Runner Up in Scroll's 2024

May 2024

Issued by AJAY KUMAR GARG ENGINEERING COLLEGE, GHAZIABAD

Noida, Uttar Pradesh

- **Achieved 3rd place at SCROLLS'24**, a prestigious National Level Technical Paper Presentation Contest, for presenting the innovative project "AutonavCam."
- **Presented among 95 selected finalists** from over 500 national participants, showcasing technical proficiency and research skills in autonomous navigation systems.

Best Paper Award in NHSEMH 2023

Feb 2022

Issued by IIMT Group of Colleges

Greater Noida, Uttar Pradesh

- Achieved the Best Paper Award at **NHSEMH-2023**, a National Forum hosted by IIMT College of Engineering in association with Dr. A.P.J. Abdul Kalam Technical University, on 7th February 2023.
- **Led a team of researchers** in presenting a groundbreaking paper that highlighted innovative solutions, securing top recognition for its contribution to the technical community.

Publications

IJSRST

Feb 2023

Real Time Tracking and Detection of Enemy Through Machine Gun Technique

- Co-authored a research paper on "VAJRA," an autonomous enemy detection and camouflage system using real-time tracking and machine gun technology, designed to detect and neutralize enemies within a defined range, published in **IJSRST**
- **Read the full paper:** <https://ijsrst.com/home/issue/view/article.php?id=IJSRST12310815>.

Education

Mangalmay Institute of Engineering and Technology, AKTU

Sep 2022 – June 2026

Bachelor of Technology, CSE- AI

Greater Noida, Uttar Pradesh

Sainik Public School, CBSE

Apr 2021 – May 2022

12th Grade, PCM

Bahadurgarh, Haryana