

Aditya Singh

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EDUCATION

Thapar Institute of Engineering and Technology <i>Bachelor of Engineering in Computer Engineering— CGPA: 8.08</i>	Patiala, India <i>October 2021 – June 2025</i>
Guru Nanak Public School <i>Passed 12th standard with 91.8 percentage</i>	Chandigarh, India <i>April 2019 – May 2021</i>
Manav Mangal Smart School <i>Passed 10th standard with 89.8 percentage</i>	Mohali, India <i>April 2017 – May 2019</i>

TECHNICAL SKILLS

Languages: C, C++, Python, HTML, CSS, JavaScript, SQL, PL/SQL
Libraries/Framework: Django, REST, React.js, Bootstrap
Developer Tools: Git, VS Code, Visual Studio
Database: SQLite, MySQL, Oracle SQL
Soft Skills: Problem-Solving, Leadership, Teamwork, Time Management, Adaptability

EXPERIENCE

NAS Systems Engineering Intern <i>STPI (Software Technology Park of India)</i>	June 2024 - July 2024 <i>Mohali, India</i>
<ul style="list-style-type: none">Designed and implemented a schema to connect systems to Network Attached Storage (NAS), improving data access efficiency by 30%.Developed a robust backup solution supporting daily backups, which enhanced data security and integrity, reducing data loss incidents by 40%.Collaborated with the IT team to analyze system requirements and ensure seamless integration with NAS	

PROJECTS

The Open Road <i>Django-REST Framework, Bootstrap, SQLite</i>	June 2024 - July 2024
<ul style="list-style-type: none">Developed and Deployed a Django-Based Blog Platform with user registration, login, post creation, and comment features.Integrated Secure User Authentication using Django's built-in system for registration and profile management.Designed a Responsive UI with Django templates and Bootstrap for a seamless user experience.Optimized Database Interactions using Django ORM for efficient CRUD operations.	
Review EZ <i>Python(3.9), NLTK, BeautifulSoup, NumPy, Pandas, Node.js, React.js, FastAPI</i>	August 2023 - December 2023
<ul style="list-style-type: none">Led the development of a web application to scrape reviews from Amazon product links.Leveraged NLP techniques to extract key terms from reviews, generating insightful word cloud visualizations for users to grasp sentiment and trending topics.Built this functionality into a website using FastAPI	

PATENTS AND PUBLICATIONS

<ul style="list-style-type: none">Indian Patent, Application No. 202411065970, "PRIVACY-PRESERVING MULTIMODAL FIRE DETECTION SYSTEM," Filed Aug 31, 2024, Published Sep 20, 2024. Inventor(s): Aditya SinghIndian Patent, Application No. 202411065971, "FEDERATED LEARNING-ENHANCED MULTIMODAL GAS DETECTION SYSTEM," Filed Aug 31, 2024, Published Sep 20, 2024. Inventor(s): Aditya Singh	
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