

Aditya Punmiya

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EDUCATION

Manipal University Jaipur

Bachelor of Technology in Computer Science Engineering

CGPA: 8.57/10 [Dean's List]

Jaipur, Rajasthan, India

October 2021 - July 2025

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, TypeScript, C#, Bash

Frontend: React.js, React Router, Next.js, Tailwind CSS

Backend: FastAPI, Node.js with Express.js, Nest.js and Next.js, ASP.NET Core, GraphQL, Deno, Bun.js, Socket.io

Databases: PostgreSQL, MySQL, SQLite, MongoDB, Google Firebase, Redis

Tools & Technologies: Git, AWS, Azure, Digital Ocean, OCI, Vercel, Puppeteer, Linux, Github Actions

WORK EXPERIENCE

Trainee Associate - Technology

Nav India

July 2025 - Present

- Authored a custom IronPython script to process in-memory financial data within a C# service, enabling complex calculations not available in the base application.
- Engineered a custom, full-stack Role-Based Access Control (RBAC) framework from the ground up, implementing a secure authorization layer in FastAPI and developing modular, permission-aware components in React (TypeScript) to enforce granular access policies without relying on third-party services.

Full Stack Intern

Blowbits Solutions LLP

Jan 2025 - June 2025

- Designed and developed a customer support ticketing system from scratch for both end-users and agents, building RESTful APIs using ASP.NET Core (.NET 8) and frontend components in React (TypeScript), with PostgreSQL for data storage and deployment on AWS.
- Built a complete attendance and leave management system using ASP.NET Core (.NET 8), React (TypeScript), PostgreSQL, and AWS, creating foundational HR functionality including API design, database schema, and responsive UI.
- Engineered a CAPTCHA recognition microservice using ASP.NET Core (.NET 8), ONNX Runtime, and Emgu.CV, integrating a pre-trained CNN model (converted to ONNX) for automated text extraction, with a focus on backend service design, image processing, and deployment on AWS.

Backend Intern

Techwondoe

September 2024 - January 2025

- Developed and maintained microservices using Nestjs, PostgreSQL, and TypeORM.
- Implemented GraphQL queries to fetch data from HubSpot CRM and integrated RESTful APIs to handle communication between the Next.js frontend and the Nestjs backend.
- Designed and built a notification microservice to handle notifications across the platform.
- Synced AWS Cognito users with Salesforce users, enabling users to log in through either service.
- Developed logic to generate and validate NCS-compliant UUIDv7 for Salesforce registrations, while AWS Cognito generated UUIDv7 for Cognito users, ensuring uniformity and proper validation across the system.
- Created logic to handle edge cases, including user-id conflicts and user registration flow across multiple authentication systems.

Full Stack Intern

Blowbits Solutions LLP

June 2024 - August 2024

- Built dynamic web interfaces using JavaScript & React, and created server-side applications with C#. Automated tasks on Linux systems with Bourne Shell scripting.
- Managed PostgreSQL and implemented Redis for caching.
- Implemented email systems, developed REST APIs for campaign management on listmonk.
- Authored automation scripts for web application testing using Puppeteer
- Created a C# .NET program for transaction data processing and reconciliation in PostgreSQL.

Full Stack Developer

Software Development Centre, Manipal University Jaipur

January 2024 - June 2024

- Developed the backend for my university's notesheet management platform using Node.js with Express.js and PostgreSQL. This project secured 1st place in the Software Development category under Minor Project at my university and is currently awaiting an Indian patent grant.

Research Intern

Language and Cognition Lab, IIT Kanpur

June 2023 - July 2023

- Implemented an algorithm for generating Hindi pseudowords into a web-based platform using Flask and Jinja, enabling practical experimentation.

PROJECTS

- **Portfolio**, Created it to highlight my skills, projects and experience. [Portfolio](#)
- **Manager**, CRM to manage my portfolio website. [Manager](#)
- **Wallet**, PWA to track my financial activities. [Wallet](#)
- **PDF To PPT Converter**, Developed user interface and connected it to a PDF to PPT converter AI model. [GitHub](#)
- **Randomize Website**, Contributed to building my club's website using React and Tailwind CSS. [Randomize](#)
- **Moviefy**, Developed the backend for a website designed to save and share movie lists as part of Hacktoberfest 2022, employing Flask. [GitHub](#)
- **Cryptx**, Developed backend for an online treasure hunt using Node.js and MongoDB. [Cryptx](#)
- **Other Minor Projects**, Some projects developed to learn certain technologies or for academic purposes. [Projects](#)

EXTRACURRICULAR ACTIVITIES

Tech Lead

Randomize, Official CSE Club at Manipal University Jaipur

June 2023 - June 2024

- Revitalized the club by focusing on core technologies, making it the fastest-growing club on campus.
- Led various technical events, workshops, and projects for the club, while also mentoring students in web development.