

Nimish Jain

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EDUCATION

Indiana University Bloomington, Master of Science in Computer Science, USA	May 2026
<i>Coursework: Software Engineering, Machine Learning, Advance Database Concepts, Cloud Computing, App Development</i>	
IPS Academy (RGPV), Bachelor of Technology in Computer Science & Engineering, India	June 2022

SKILLS & CERTIFICATION

Programming & Scripting Languages: Python, Ruby, C, C++, JavaScript, TypeScript, PHP

Web, Mobile & Software Development: HTML, CSS, jQuery, Bootstrap, ReactJS, NodeJS, ExpressJS, Ruby on Rails, Laravel, Flask, Android App Development (Kotlin), iOS App Development (Swift), Git, REST APIs, Agile, Jira

Cloud, DevOps & Database: AWS (EC2, S3), Docker, Linux, CI/CD Pipelines, MongoDB, MySQL, PostgreSQL

AI/ML: NumPy, Matplotlib, Pandas, SciKit-Learn, Transformers, TensorFlow

Certification: C & C++ (IIT Bombay), Java (IIT Bombay), Python for Data Science (IIT Bombay)

WORK EXPERIENCE

Solutions Engineer, Deqode Solutions	Jan 2022 – May 2024
<ul style="list-style-type: none">Led daily scrum meetings as Project Manager for a German bank onboarding project, aligning business needs and improving client communication as a result this enhanced the client deliverables efficiency by 25% within a quarter.Streamlined development process by using design patterns and Agile workflow, introduced test cases along with mentoring interns and new hires, resulting in faster project onboarding and contributing to a 10% increase in company revenue.Coordinated with multiple German bank providers, pitching the existing white-label solution, which they adopted to replace offline onboarding, cutting paper costs by €1 million in total, while ensuring necessary compliances.	
Software Developer Intern, Wappgo IT Services	Aug 2019 – Mar 2021
<ul style="list-style-type: none">Optimized database operations for multiple projects, reducing query time by 15% and page load time from 200ms to 50ms.Led the development of multiple projects across Legal, Construction, and Medical domains, delivering scalable and efficient solutions.Presented technical solutions to clients, enhancing their understanding & mentored new interns, improving their domain knowledge.	

PROJECTS

Bank Onboarding Solution — Ruby on Rails, React JS, PostgreSQL, Sidekiq, Sentry, Redis	
<ul style="list-style-type: none">Built custom PDF editor, integrated document signing and video verification REST APIs, processing over 1,000+ monthly transactions.Engineered a reusable custom role-based authorization system, enabling flexibility and scalable access control for diverse clients.Took initiative to introduce test cases, achieving 90% coverage, and optimized code, which in turn reduced onboarding time by 40%.Incorporated Sentry for error monitoring, cutting resolution time by 50%, minimizing downtime, and enhancing system reliability.Integrated Twilio and MailChimp REST APIs for automated SMS and email notifications, enhancing client communication and added 2FA functionality to improve security and user authentication.	
Legal251 — MERN Stack, Laravel, Bootstrap, jQuery, MySQL	
<ul style="list-style-type: none">Implemented key improvements to both frontend and backend systems, boosting overall site efficiency and performance by 30%.Redesigned database schemas and developed frontend and backend for Admin & Customer dashboards, improving query response time, and reducing maintenance time by 25%, and enhancing readability through data visualization.	
Cognitive Memory Recognition Task (Human vs LLM) — Python, Machine Learning, Transformers, LLM, Prompt Engineering	
<ul style="list-style-type: none">Evaluated memory performance using Google's FLAN-T5 Large model on five cognitive tasks from a Research study (Paper) achieving 96% free recall accuracy, identifying key performance differences via plotting comparative graphs.Devised task-specific datasets and refined contextual prompts with T5Tokenizer, boosting cued recall accuracy by 2.2x over human benchmarks and enhancing memory retention across tasks.	
Bank Statement Analyzer — Python, Flask, ReactJS, Machine Learning	
<ul style="list-style-type: none">Developed a system using a Random Forest classifier to improve loan eligibility predictions, analyzing transaction data to identify spending patterns, outstanding loans, and cash flow trends with higher accuracy.Created Flask backend APIs to extract and preprocess transaction data from uploaded PDFs using Python libraries, integrating with a React frontend to deliver real-time loan predictions and interactive graphical insights.	
Personal Portfolio Website — ReactJS, SCSS, ThreeJS	
<ul style="list-style-type: none">Designed and Developed a unique personal portfolio incorporating 3D animations using ThreeJS, customizable themes, and interactive project showcases, with a full list of projects and details. Explore it at https://nimish.vercel.app/.	

LEADERSHIP & COCURRICULAR ACTIVITIES

- Head Building Manager at Indiana Memorial Union, managing 20+ staff, hiring new managers, and overseeing 500+ events monthly.
- Event Organizer for "Swaranjali," a college fest, "Envisage," a national-level tech fest, and Hackathon attended by over 2,000 students.