Bismit Panda

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About Me

I am Bismit Panda, a pre-final year B.Tech Computer Science student with a specialization in Cyber Security at Rashtriya Raksha University. Skilled in Java, Python, C++, C, Rust, Golang, and web technologies, I have developed projects in image manipulation, management systems, and interactive games.

Projects

EB5 Loan Platform   https://eb5loan.com

- Developed a Next.js-based platform offering innovative financing solutions for the EB-5 visa program, enabling foreign investors to secure U.S. Green Cards with reduced upfront investment.
- Integrated features for loan structuring, compliance tracking, and user onboarding to streamline the immigration investment process.
- Tools Used: Next.js, Vercel, Sanity, Figma

Open Admits   https://openadmits.com

- Built a premium admissions consulting platform targeting Ivy League aspirants, providing personalized mentorship and AI-powered profile evaluations.
- Implemented modules for research collaboration, business plan development, and extracurricular planning to enhance student profiles.
- Tools Used: Next.js, Vercel, Sanity, Figma

Open Venture   https://openventure.com

- Developed an all-in-one concierge platform assisting immigrants with U.S. relocation services, including visa assistance, housing, tax filing, and business incubation.
- Integrated services for O-1 and EB-1A visa processing, housing support, and startup guidance to facilitate seamless transitions.
- Tools Used: Next.js, Vercel, Figma

Shout Start   https://shoutstart.com

- Created a platform enabling users to publish press releases, articles, and expert content for maximum exposure across various channels.
- Designed a seamless submission process and integrated publishing tools to enhance content visibility and outreach.
- Tools Used: Next.js, Vercel, Figma

Rust-based Sudoku Solver

- I implemented a **Sudoku Solver** in Rust, based on the efficient solving techniques detailed in James Crook's paper, "*A Pencil-and-Paper Algorithm for Solving Sudoku Puzzles*". The solver leverages logical strategies to deduce solutions step-by-step, avoiding brute-force approaches. It features an optimized implementation designed to handle puzzles of varying complexities with high performance and accuracy.
- Tools Used: Rust

Athena CTF Platform

- I developed **Athena CTF**, a comprehensive Capture-The-Flag platform aimed at fostering

cybersecurity education and competitive learning. Built with a modern tech stack, the platform facilitates seamless creation, management, and participation in CTF challenges. It includes features like real-time scoreboards, challenge submission, user authentication, and intuitive interfaces for both participants and administrators. Designed for scalability and performance, it ensures an engaging and efficient user experience.

- Tools Used: Rust, React, TypeScript, GoLang, Docker SDK, Tailscale VPN

Experience

Software Research Intern, IIT Bombay   Nov 2023 – Feb 2024

As a **Software Research Intern**, I was responsible for leading and mentoring team members on the development of a **Medical Calculator** project. My role included guiding students in understanding the project requirements, teaching them various technologies used in the implementation, and ensuring the delivery of a robust and user-friendly solution. The project aimed to streamline complex medical calculations, enhancing accessibility and accuracy for healthcare professionals.

Tech Development Intern, Global Eye Intelligence   Jan 2025 - Present

As a **Tech Development Intern**, I was responsible for leading and mentoring team members on the development of a **Web Platform**, **Custom AI Agent** and **Scraper** project. My role included guiding students in understanding the project requirements, teaching them various technologies used in the implementation, and ensuring the delivery of a robust and user-friendly solution. The project aimed at streamlining the Geopolitical intelligence collection, aggregation and distribution pipeline.

Technologies used:

- **Web platform:** Next.js, tRPC, Docker, k8s, Prostgres, Prisma ORM
- **AI Agent**: MCP, LangChain, Python, FastAPI, Starlette, SQLAlchemy, Pydantic, Polars
- **Scraper**: Selenium, Python, MongoDB, Pydantics

Technologies

Languages: Rust, C++, C, Python, Java, HTML, CSS, JS, SQL, Golang, React

Software and Frameworks: Microsoft SQL Server, MATLAB, NextJS, Django

Education

Rashtriya Raksha University, B.Tech in CSE with specialization in   Aug 2022 – Present
Cyber Security

- CGPA: 7.0/10.0
- **Coursework:** Data Structures and Algorithms, Design and Analysis of Algorithms, C, C++, Java, Python, Computer Architecture and Microprocessor, Operating Systems, DBMS, Cryptography, Linux Shell Scripting,Digital Image Processing,Computer Networks,Theory of Computation,Artificial Intelligence

D.A.V. Public School, Chandrasekharpur, Bhubaneswar,   2009 - 2022
Schooling

- 10th - Scored 96.8%
- 12th - Scored 92.4%

Achievements

Smart India Hackathon (SIH) - Internal Round Winner,   Sept 2024
Rashtriya Raksha University,Gandhinagar

As part of the top-performing team at Rashtriya Raksha University's internal Smart India Hackathon (SIH), I contributed to solving real-world problems through innovative technical

solutions. This achievement highlights my teamwork, problem-solving abilities, and proficiency in applying technical skills to address complex challenges.

National Talent Search Examination (NTSE) Qualified   2020

Achieved distinction by qualifying the **National Talent Search Examination (NTSE)**, a prestigious national-level scholarship program in India. This accomplishment reflects my academic excellence, critical thinking, and problem-solving skills at a competitive level.

Huntress CTF - Rank 131, Huntress Team   Oct 2023

Secured **Rank 131** in the **Huntress CTF**, a competitive Capture-The-Flag event organized by the Huntress Team. This achievement demonstrates my proficiency in cybersecurity, problem-solving abilities, and capability to tackle complex challenges under competitive conditions.

Certifications

CEH, Certification by EC-Council   April 2024

I received the **CEH** certification which highlights my expertise in the Cyber Security domain and serves as a proof of my knowledge