Enrin Debbarma

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EDUCATION

The Pennsylvania State University, Harrisburg, Capital College　　　　　　　　　　　Harrisburg, PA
Bachelor of Science in Computer Science　　　　　　　　　　　　　　　　　　　　　Expected: Dec. 2025
- Data Structures, Object Oriented Programming, Formal Languages, Compilers
- Machine Learning, Database Management, Software Engineering Management

PROJECTS

NextStep – Job Matching App | Link　　　　　　　　　　　　　　　　　　　　*Nov. 2024 - Present*
Full-Stack Project
- Developed a **swipe-driven UI** for job seekers using social app design cues; built responsive web (**React.js**) and mobile (**React Native**) interfaces.
- Integrated a **content-based recommendation** system using dummy job and user profile data, showcasing an **ML**-powered prototype to match job openings with user interests.
- Collaborated with a team of 4, practicing **Scrum methodologies** including daily stand-ups and iterative planning to ensure timely project delivery.
- Engineered a robust **Express.js** backend with **MongoDB** Atlas for secure registration, authentication (JWT), and real-time updates. Hosted using **Vercel** (Front-end) and **Render** (Back-end).
- Created employer tools to post jobs, review candidates, and schedule interviews, streamlining recruitment workflows.

aSpot – An Itinerary Maker　　　　　　　　　　　　　　　　　　　　　　　　*Feb. 2024 - Present*
Full-Stack Project
- Developed an AI-driven travel planner with Next.js 13 (**TypeScript**) to create personalized itineraries using user input such as interests, travel dates, to get intelligent recommendations for activities.
- Integrated **NextAuth.js** (Google OAuth & credentials) for secure cross-platform sessions; utilized **Redux** for state management.
- Stored user profiles and itineraries in MongoDB via **Mongoose**, exposing CRUD endpoints through **Next.js** API routes.
- Leveraged **Google Maps API** to group nearby attractions and recommend optimal visit times according to traffic, weather and transit data, enhancing the user experience.

PROFESSIONAL EXPERIENCE

Penn State University, Harrisburg　　　　　　　　　　　　　　　　　　　　　　　Harrisburg, PA
IT Operations Specialist　　　　　　　　　　　　　　　　　　　　　　　　　*Mar. 2024 - Oct. 2024*
- Resolved **50+** daily IT support tickets using **ServiceNow**, troubleshooting complex technical issues and ensuring minimal downtime.
- Installed, configured, and maintained over **200** workstations, applying security protocols (data encryption, system hardening) to optimize performance.
- Administered and monitored campus-wide network infrastructure, including **Wi-Fi** & **multi-factor authentication** and smart device connectivity—ensuring secure, uninterrupted access for **5,000+** users.

Zolve (FinTech)　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　Remote
Product Tester　　　　　　　　　　　　　　　　　　　　　　　　　　　　　*May. 2023 - Sept. 2023*
- Tested and evaluated product features, delivering structured feedback on user experience, and performance to cross-functional teams.
- Collaborated with product and development teams to translate student user feedback into actionable improvements, influencing feature roadmap decisions.
- Led feedback sessions with **50+** students, identified an inactive chat feature, and collaborated with developers to address the underlying issue, increasing platform adoption by **15%** and campus engagement by **10–15%**.

SKILLS

- Technical Skills: JavaScript, Typescript, React.js, Node.js, Express.js, MongoDB, Rest APIs, Redux, HTML, CSS, Next.js, Firebase, React Native, SQL, Python, PyQt, Java, C++, Service Now

- Soft Skills: Organizing & Planning, Adaptability, Creativity & Ideation, Teamwork & Collaboration, Growth Mindset, Communication