

# 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, 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 inputs, weather, and transit data.
- 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, 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 Innovations (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