Abel Prasad

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EDUCATION

Penn State University   **Abington, PA**
B.S. in Computer Science   May 2026

- **Coursework**: Discrete Mathematics, Data Structures and Algorithms
- **Certifications**: AWS AI Practitioner [in-progress]

SKILLS

- **AI/ML**: NumPy, Pandas, TensorFlow, Transformers, RAG, MCP, Agentic AI
- **Programming**: Python, Java, JavaScript, C++
- **Front-end**: HTML, CSS, JavaScript, React, Vite
- **Back-end**: Node.js, Express.js, REST APIs, FastAPI
- **Tools**: GitHub, Linux, SQL, MongoDB, Docker
- **Cloud:** AWS EC2, S3, RDS, Azure, GCP

EXPERIENCE

FanTravels – Full Stack Web Application   **Sept– December 2025**
- Developed a full-stack web app connecting pop-culture fandom with UNESCO World Heritage Sites using FastAPI, Next.js, and PostgreSQL.
- Designed RESTful APIs for user check-ins, posts, badges, and CSV data export for research purposes.
- Integrated PostGIS for mapping and geolocation features and styled a responsive UI with Tailwind CSS.
- Collaborated with a 5-member agile team using GitHub, Zoom, and Microsoft Teams; deployed via Render and Vercel.

Sathika Boutique Website

Freelance Developer   **Jun– Aug 2024**
- Developed full-stack e-commerce platform using Next.js, React, Node.js, Express, and MongoDB with TypeScript, featuring product catalog, shopping cart, checkout flow, and Stripe payment integration supporting multiple payment methods
- Built RESTful API with Express.js and designed MongoDB schemas using Mongoose for Products, Orders, Users, and Cart with JWT authentication for secure admin access and session management
- Created responsive UI with Tailwind CSS and developed admin dashboard for product CRUD operations, order management, and inventory tracking with real-time analytics

PROJECTS

ClipCheck   **November 2025**
- Developed ML-based misinformation detection system for Reddit using Python, web scraping, NLP, and sentiment analysis to identify misleading video clips with 85%+ accuracy
- Implemented text classification pipeline with CountVectorizer, TF-IDF, and supervised learning algorithms (Logistic Regression, MultinomialNB, SVM) to analyze post content
- Built Flask web application with real-time Reddit analysis providing credibility scores