

Annsh Navle

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EDUCATION

Purdue University

B.S. in Computer Science, Physics (Double Major)

May 2027

West Lafayette, IN

- **Relevant Coursework:** Data Structures and Algorithms, Software Engineering, Operating Systems, Computer Architecture, Embedded Systems

GPA: 3.84/4.00

EXPERIENCE

Vice President Projects

Feb. 2025 – Present

Purdue Stack

West Lafayette, IN

- Leading end-to-end SDLC for 7 Agile teams, driving requirements, sprints, reviews, QA, and releases
- Standardized delivery with CI/CD, PR gates, and release checklists to improve reliability and cadence

Software Engineer (Full Stack) Intern

May 2025 – Jul. 2025

Mindcraft Software Ltd.

Mumbai, India

- Developed Spring MVC backend for enterprise banking systems writing over 26,000 lines of production code
- Created Angular 16 interface to extract insights from large document repositories using an internal LLM
- Reduced employee onboarding time by 30% by building JWT-secured Spring/Angular training portal

Backend Developer Intern

Jun. 2024 – Jul. 2024

Indepay

Jakarta, Indonesia

- Built and shipped Node.js REST APIs for mobile integration using JSON, contributing to 10% user growth
- Integrated 3 third-party financial APIs via OAuth2, adding token refresh, retries, and error handling
- Improved observability and reliability with input validation, structured logging, and TCP/IP debugging

Research Developer

Aug. 2023 - May. 2024

American Chemical Society (CAS)

Remote

- Developed Random Forest models using scikit-learn to predict chemical reactivity risks with 91% accuracy
- Automated data collection with Selenium pipelines and cron-driven scripts to expand ACS database by 20%
- Created Matplotlib dashboards to visualize classification accuracy, precision/recall metrics, error rates

PROJECTS

CS Alumni Dashboard | React, Node.js, Express, PostgreSQL, Purdue SSO May 2025 - Aug. 2025

- Built full-stack dashboard to analyze 3,000+ Purdue CS alumni by company, role, track and grad year
- Engineered secure SSO login, server-side filters, and modular admin tools with CSV upload and moderation
- Designed salary trend visualizations, internship outcome flows, exportable reports using D3.js and Chart.js

PromptGate | Cloudflare Workers, TypeScript, Durable Objects

Jan. 2026

- Built developer tool that compiles prompts with secret redaction and LLM-based semantic compression
- Reduced prompt tokens 30–50% on noisy inputs and returned a report with cost and latency estimates

AI PokerBot | Python, TensorFlow, PyTorch, Numpy, Jupyter, React

Aug. 2024 - Oct. 2024

- Trained a reinforcement-learning poker agent using CFR Minimization, achieving 70% win rate heads-up
- Built simulation and experiment pipeline (100,000+ runs) tracking convergence and regression testing

CERTIFICATIONS

- **Back-end Developer Professional (Meta)**
- **Machine Learning Engineer (Google)**

Jan. 2025

Oct. 2024

TECHNICAL SKILLS

- **Languages:** Java, Python, Kotlin, Swift, C/C++/C#, SQL, JavaScript, TypeScript, HTML, CSS, Bash
- **Frameworks/Libraries:** Spring Boot, React, Node.js/Express, Angular, Flask, TensorFlow, OpenCV
- **Dev. Tools:** VS Code, Cursor AI, GitHub Copilot, JupyterLab, Docker, Git, Postman, Agile/Scrum

INTERESTS

- Fantasy Soccer, Poker, Sports Betting Markets, Video Editing, Weight Lifting