

# DHRUVAL ANANDKAR

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## PROFESSIONAL SUMMARY

Computer Science (Honors) senior specializing in Full-Stack Engineering and AI Integration. Expert in building scalable React/Node.js applications and automating backend workflows with Python, Snowflake, and Microsoft Fabric. Seeking a full-time Software Engineering role in the U.S. starting Fall 2026.

## EDUCATION

### Bachelors in Computer Science, Honor's Program

Ashland University, Ashland, Ohio

Expected Fall 2026

GPA: 3.70 / 4.0

### Associate in Computer Engineering

Parul University, Vadodara, Gujarat, India

May 2020 – May 2023

GPA: 4.0 / 4.0

## RELEVANT COURSEWORK

Data Structures & Algorithms, Database Systems, Data Mining, Machine Learning, Cloud Computing, Operating Systems

## PROFESSIONAL EXPERIENCE

### Ashland University – Ashland, Ohio, USA

#### Business Intelligence Intern

Oct 2025 – Present

- Architected an **AI-powered DAX bot** to automate the generation of complex queries, significantly reducing manual coding time for department-wide reporting.
- Engineered **data pipelines** connecting **Snowflake views** to **Microsoft Fabric Lakehouses** using Python, ensuring seamless data preprocessing and synchronization.
- Optimized **backend performance** via Fabric SQL endpoints, streamlining the handling of large-scale academic datasets for real-time accessibility.

### Ashland University – Ashland, Ohio, USA

#### Research Team Lead – Data & Full-Stack Development

Oct 2024 – Present

- Led the development of an **AI-integrated IoT platform** for soil health, managing the full-stack lifecycle from hardware data ingestion to a React-based frontend.
- Implemented **RESTful APIs** to facilitate communication between Python-based predictive models and cloud storage, ensuring sub-second latency for data updates.
- Directed a team using **Agile methodologies**, overseeing GitHub version control and ensuring robust documentation.

### Smith Structure India Pvt. Ltd. – Kheda, Gujarat, India

#### Development Intern – Internal Tools

Dec 2022 – Jan 2023

- Developed a custom **inventory management system using PHP and MySQL**, automating manual plant workflows and improving processing efficiency by 30%.
- Debugged backend systems and resolved 50+ technical issues for AV and local web applications with a 98% resolution rate.

### Gujarat State Electricity Corporation Limited (GSECL) - Wanakbori, Gujarat, India

#### Systems Development Intern

Apr 2022 – May 2022

- Developed internal web apps for IT automation using **PHP, HTML/CSS, and XAMPP**, cutting manual entry by ~10 hours/week.
- Optimized backend queries and Java services to improve system responsiveness by ~25%.

## COMPETENCIES

**Functional Skills:** Software Development Life Cycle (SDLC) • System Architecture • Object-Oriented Programming • Technical Documentation • Agile & SCRUM • Problem Solving • Team Leadership.

#### Technical Skills:

- Languages:** Python, Java, JavaScript (ES6+), TypeScript, SQL (PostgreSQL, MySQL), PHP, C.
- Frameworks & Libraries:** React.js, Node.js, Express.js, FastAPI, MERN Stack, Redux, Tailwind CSS, Bootstrap.
- Cloud & Databases:** AWS (EC2, S3), Microsoft Fabric, Snowflake, Firebase (Firestore, Auth), MongoDB, MySQL.
- Tools & DevOps:** Docker, Kubernetes, Git/GitHub, Postman, RESTful APIs, LangChain, Sage 100 ERP.

## PROJECTS

**JobGenie AI:** GPT-4 job match SaaS with resume parsing, **LangChain**, and Stripe – **full-stack deployed**.

**AgriScience:** Implemented an end-to-end ETL pipeline using **Python, SQL, and IoT** data for crop analytics and prediction.

**Vapi Outbound Campaign:** Built a real-time automation tool using the Vapi API for dynamic outbound call-flow logic and automated data handling.

**AI Resume Tool:** Designed a resume parsing and job-matching system using Python and NLP techniques, generating structured analytics reports for candidate evaluation.

**FolioSpace:** Built a MERN stack platform for instant portfolio generation with secure authentication and dynamic rendering.

**News Bias Aggregator:** Built a **React app** that analyzes and visualizes news bias using simulated multi-source scores.

**Feedback Bot:** Auto-summarized Google Form feedback **via GPT-3.5** and posted to **Slack** (Sheets + Slack + OpenAI).

## CERTIFICATES & HONORS

Voice Assistant with OpenAI & IBM Watson

Data Science with Python

Cyber Security Certified

CognitiveClass.ai: Oct 2024

SoloLearn: Jun 2021

ITC, Gujarat, India: Dec 2023