

Nidhi Kamath

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EDUCATION

Virginia Tech

Master Of Engineering in Computer Science & Applications (GPA: 3.7)

Falls Church, Virginia, USA

Aug 2023 - May 2025

Savitribai Phule Pune University

Bachelor of Engineering in Computer Engineering (CGPA: 8.45)

Pune, Maharashtra, IN

May 2014 - May 2018

TECHNICAL SKILLS

Programming Languages: Java, Dart, Python, Kotlin, C++, PHP, Javascript

Technologies: Flutter, Android, Google MLKit, Firebase, Geolocator, Pandas, Matplotlib, React, Git

Database: MySQL, MongoDB, AWS RDS

Cloud: AWS (Lambda, IAM, VPC, Cloudwatch, EC2, S3, Route 53, EMR, SageMaker, API Gateway)

Platforms: Android Studio, Xcode, PyCharm, VS Code, Jupyter, IntelliJ, Postman, Asana, Figma, Canva, Agora, Notion

WORK EXPERIENCE

Flutter Developer at Yugstart Technologies Pvt. Ltd (Truein), India

Oct 2020 - Jul 2023

- Refined real-time location fetching using *geolocator* plugin, improving GPS accuracy by 31% and retaining a major client.
- Re-engineered flutter's *camera* plugin, reducing crashes by 54% as tracked by the *Firebase* console, and implemented standby mode for *Contactless Face Stream*, decreasing battery consumption by 25%.
- Led a team of 2 in revamping the Truein User and Kiosk App, prioritizing user value and seamless experiences through strategic UI improvements aligned with product needs.
- Developed *offline backup feature* retaining 95% attendance data locally, reducing data loss upon app uninstallation.
- Integrated *REST API* using *BLoC* pattern, boosting data fetch efficiency by 40% and improving maintainability.
- Managed *SQLite* database operations, executing raw *SQL queries*, and serializing *JSON* data for storing structured data, increasing app performance by 60%.
- Worked on *JWT (JSON Web Token)* for authentication, reducing unauthorized access attempts by 90%.

Android App Developer at Densoft Infotech Pvt. Ltd, India

Mar 2019 - Oct 2020

- Implemented *single-device login* functionality using Firebase, restricting simultaneous access by 40% and providing *real-time notifications* for existing active sessions.
- Created a YouTube-like *video player* screen with a course playlist that resumes playback from the last viewed timestamp and supports full-screen mode, resulting in a 30% increase in course completion rates.
- Built a doctor appointment app with Agora SDK for *real-time video calling/chat* and *OneSignal* for push notifications.

PROJECT EXPERIENCE

Ask Hokie - VT Hacks Hackathon

Oct 2024 - Oct 2024

- Extracted and pre-processed over 4063 documents from Virginia Tech's website using *BeautifulSoup*. Generated embeddings via *Hugging Face* and stored in *MongoDB Atlas* database. Using *RAG (Retrieval-Augmented Generation)* design pattern, fed top 3 vector search results to GPT-4 for context-aware and accurate query responses.

DoDEx - Bitcamp Hackathon

Apr 2024 - May 2024

- Scraped the Defense Contracts website using *Selenium* to extract Federal Agency names, contract amounts, dates, and company names. Employed *OpenAI LLM (Large Language Model)* for parsing text and identifying relevant attributes, and *Provenance Embedding* for validating results, processing over 5000 contract notices with 73% accuracy.

Bookstore Web Application

Jan 2024 - May 2024

- Designed *Figma* wireframe, reducing development time by 40%. Launched a *full-stack* responsive Bookstore web app using *React*, *JavaScript*, *HTML*, *CSS* for frontend, *Java*, *MySQL* for backend, *RESTful API*, *React Hooks* for state management, client/server-side validation, 10+ responsive UI components, e-commerce features, and *AJAX* for asynchronous data fetching.

Airline Passenger Satisfaction Data Analysis

Sep 2023 - Dec 2023

- Conducted Exploratory Data Analysis (data cleaning, feature engineering) and analysis (regression, classification, clustering) on 100,000+ records. Deployed interactive *Dash* and *Plotly* dashboard on *Google Cloud Platform* for accessibility.

AWARDS, ACHIEVEMENTS AND CONTRIBUTIONS

- People's Choice Award at Bitcamp 2024** - For developing an AI solution to parse, extract values, and provide data insights for Bloomberg Industry Group's problem statement, competing against 158 teams.
- Recognition from Truein** - The Recreator Award for event management excellence, the Smooth Sailor Award for bug-free app releases and the Spot Award for outstanding contributions.
- Top 50% Ranking among competitors** - At Indian Institute of Technology, Bombay's Battle Code and Enigma Competitions.
- Volunteer Work at PyCon US 2024** - Created and deployed 2 apps for the dash and plotly package for their website. Awarded a Confirmed Yak Shaver coin for contributing a workaround solution to the BeeWare GitHub repository.
- Conference Attended** - PyCon US (May 2024), AWS Summit (Jun 2024), Society of Women Engineers (Oct 2024).