

# Nidhi Kamath

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## EDUCATION

### Virginia Tech

Master of Engineering in Computer Science & Applications (GPA: 3.74/4)

Falls Church, Virginia, USA

Aug 2023 - May 2025

### Savitribai Phule Pune University

Bachelor of Engineering in Computer Engineering (CGPA: 8.45/10)

Pune, Maharashtra, IN

May 2014 - May 2018

## WORK EXPERIENCE

### Software Engineer at Yugstart Technologies Pvt. Ltd (Truein)

Oct 2020 - Jul 2023

- Led end-to-end software development lifecycle, at the **B2B SaaS** startup, scaling product users from a few hundred to 300K.
- Directed migration of two applications to a **cross-platform** architecture, adopted by 500+ large enterprise clients.
- Guided 2 engineers and collaborated directly with the co-founder on the strategic revamp of **UI/UX** of core applications.
- Re-engineered critical application plugin, reducing system crashes by 54% as monitored by the **Firebase Crashlytics** console.
- Developed an offline backup solution by managing **SQLite** operations and **JSON** serialization, with an option to sync them to **MySQL** database, preserving 95% of attendance data locally, and enhancing system resilience by 60%.
- Refined real-time location data fetching via algorithm optimization, improving accuracy by 31% and retaining a major client.
- Delivered 30+ major features through **agile** processes, secured **Node.js** APIs with **JWT** (JSON Web Token), reducing unauthorized access by 90% and integrated frontend APIs using **BLoC/Riverpod**, boosting efficiency by 40%.

### Software Developer at Densoft Infotech Pvt. Ltd

Mar 2019 - Oct 2020

- Worked on multiple applications from scratch across diverse domains including EdTech, Healthcare and Finance, overseeing the **full development lifecycle** from requirements gathering and **system design** to successful production launch.
- Designed multimedia streaming, location tracking and audio/video calling features, using **Java**, driving engagement by 60%.
- Implemented push notification using **OneSignal**, significantly improving user interaction and communication efficiency.
- Enhanced offline data access, introduced multilingual UI and integrated appointment scheduling feature with deep linking.
- Built user authentication for secure login using **Firebase**, refining concurrent session handling by 80%.

## PROJECT EXPERIENCE

**UPass Manager (Capstone)** - Collaborated with a team of 6 to build a cloud-native project using **Next.js** framework, **React**, **TypeScript**, **Node.js**, **Express**, and **AWS (Lambda, RDS, SES, S3)** that auto-ingests daily student data, performs real-time eligibility checks, and allocates NFC linked passes, streamlining distribution and reducing errors by 90%.

**LifeXAI (Bitcamp Hackathon)** - Built a full-stack platform with **Next.js**, **React**, **TypeScript**, **Tailwind CSS** and **MongoDB**, consuming Capital One Nessie API, utilized **Chart.js** and in-house anomaly algorithms for intuitive spending/trend visuals, Google Gemini Vision & Cloudflare AI to deliver personalized financial health scores and anomaly alerts.

**Ask Hokie (VT Hacks Hackathon)** - 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. Used **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) [People's Choice Award]** - Scraped Defense Contracts website using **Selenium** to extract relevant fields. Employed **OpenAI LLM** (Large Language Model) to parse text and identify respective attributes, **Provenance Embedding** for validating results, processing over 5000 contracts with 73% accuracy, competing and winning against 158 teams.

**Web & Cloud App Development (Coursework)** - Created & deployed a full-stack responsive web app (**React/Java/MySQL**, **REST API**) on a secure **AWS** environment (**EC2, VPC, NAT Gateway**). Gained practical experience implementing cloud solutions for real-time data processing (**EMR** for trending insights), serverless APIs (**Lambda, API Gateway, S3**), and **ML** pipelines (**SageMaker** for predictive modeling).

## TECHNICAL SKILLS

**Languages and Database:** Java, Dart, Python, Swift, Kotlin, Javascript, Typescript, MySQL, MongoDB, PostgreSQL

**Technologies, Tools & Framework:** Flutter, Google MLKit, React, Next.js, Node.js, Tailwind CSS, Git

**Cloud and DevOps:** AWS (Lambda, VPC, EC2, S3, EMR, SageMaker, API Gateway, RDS), GCP, CI/CD, Docker

**Platforms:** Android Studio, Xcode, PyCharm, VS Code, IntelliJ, Postman, Figma, Canva, Notion, Jira, Gitlab, Bitbucket

## AWARDS, CONTRIBUTIONS AND INVOLVEMENTS

**Awards at Truein** - Recreator (event excellence), Smooth Sailor (bug-free app releases) and Spot (outstanding contributions).

**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).