

Vishnupriya T

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EDUCATION

Gitam University

B.Tech in Computer Science and Engineering

Bengaluru, Karnataka

September 2022 – Expected May 2026

Relevant Courses: Data Structures and Algorithms, Database Management Systems, Object-Oriented Programming
Operating Systems, Computer Networking ; GPA: **9.54**

RV PU College

Karnataka State Board; Per: 93.3%

Jayanagar, Karnataka

March 2022

MSV Public School

CBSE Board; Per: 95%

Doddaballapur, Karnataka

August 2020

EXPERIENCE

Intel Unnati [↗](#)

AI/ML intern -Networking Track

May 2025 – July 2025

- Developed **Machine Learning models** in Python to detect **SQL Injection** and **XSS attacks** in real-time HTTP traffic.
- Designed and implemented end-to-end anomaly detection pipelines using supervised and unsupervised learning techniques.
- Optimized data preprocessing workflows for high-volume network traffic, improving model training efficiency and accuracy.
- Conducted performance evaluation using precision, recall, F1-score, and confusion matrix for robust threat classification.
- Tech Stack: **Python** (basics), Scikit-learn, Pandas, NumPy, Jupyter Notebook

MURTI Research Lab [↗](#)

Spatial Regression Analysis

Jan 2025 – March 2025

- Analyzed water bodies and geospatial patterns using **QGIS** and **Python**, supporting environmental and hydrological research.
- Prepared **geospatial maps** and developed regression-based spatial models for flood and water-resource studies.
- Performed data cleaning, geospatial preprocessing, and feature engineering to improve model reliability and prediction accuracy.
- Tech Stack: **QGIS**, Python, GeoPandas, Shapefiles, Spatial Regression Techniques

PROJECTS

AdVia [↗](#)

- Built a **Kotlin-based Habit Tracking App** with real-time habit extraction to identify user patterns and productivity trends.
- Designed a clean and interactive UI in **Android Studio**, implementing Jetpack components for seamless navigation and state management.
- Implemented task, reminder, and to-do systems with local data persistence using **Room Database** to ensure zero data loss.
- Tech Stack: **Kotlin**, Android Studio, Jetpack Compose/XML

SolutionFlow App [↗](#)

- Developed a **React Native (Expo)** mobile application that allows users to search StackOverflow and view the top 10 ranked questions in real time.
- Built a responsive search interface integrated with the **StackExchange API**, displaying votes, brief summaries, and asker details in structured result cards.
- Designed a clean and minimal UI optimized for Android devices, ensuring smooth navigation and fast rendering using Expo's development workflow.
- Tech Stack: **Expo**, React Native, JavaScript, StackExchange API

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, SQL, Python (Basics), Kotlin (Basics)

Core CS Skills: Data Structures and Algorithms, Object Oriented Programming, Problem Solving

Developer Tools: Git , GitHub , Android Studio , Visual Studio Code

Database: MongoDB, MySQL (Beginner)

Technologies: HTML, CSS, Streamlit, Fusion 360 , QGIS

CERTIFICATIONS

Getting Started with Python — University of Michigan [↗](#) *Apr 2023*

Virtual internship for Android Developers — EduSkills [↗](#) *Nov 2024*

Deep Learning for Business — Yonsei University [↗](#) *Mar 2025*

ACHIEVEMENTS

- **Smart India Hackathon:** Institute Finalist

ADDITIONAL INFORMATION

- **Other Interests:** Editing, Cinema, Books
- **Languages:** English (Expert), Kannada (Native), Hindi (Conversational), Telugu (Conversational)