Yash Suresh Gavas

Banglore,Karnataka | yash.s.gavas@gmail.com | 9380474206 |
linkedin.com/Yash Gavas | github.com/Yash-Gavas

Professional Summary

Dedicated and enthusiastic student with a strong foundation in technical skills and a talent for building collaborative relationships. Seeking opportunities to apply my knowledge in machine learning, software development, data networking, and emerging technologies while expanding my professional network.

Skills

- **Programming Languages:** Java, Advanced Java, Python, C, HTML, CSS, JavaScript, R, Unix, Dart
- **Soft Skills:** Communication, Presentation, Team Building, Public Speaking
- **Tools Platforms:** GitHub, Discord, AI Tools, Docker
- **Development:** Full Stack Development (MERN), Flutter
- **Technical Proficiency:** Data Structures, Algorithms, Operating Systems, Computer Architecture, Data Networking, DBMS
- **AI/ML Computational Skills:** AIML, Finite Automata, MATLAB, Data Analytics

Education

M S Ramaiah Institute of Technology Currently, a third-year Computer Science and Engineering Student 2022 – Present **Grade – 8.56 CGPA** as per 4th sem (completed 5th sem)

Govindaram Seksaria Science College PUC (12th) 2022

Karnataka Law Society's English Medium School SSLC (10th) 2020 **Grade – 94.08%**

Work Experience / Internships

Samsung Research & Development Institute Bangalore
SDE Intern
Oct '24 – Present (6 months)

M S Ramaiah Institute of Technology
App Development Intern Program
Oct '23 – Nov '23

IEEE RIT
Debug Derby (Flagship Event)
May '24

CSE RIT
Python Showdown (Competitive Programming Event)
MSRIT Rank – **1**

Academics / Projects

- **PNL for Named Data Networking (DSA)**
  Paradigm-shifting approach to address the intricate challenge of name-based route lookup in Named Data Networking.
- **Fast Cache IQ (Operating System)**
  This simulator is designed to evaluate and demonstrate the performance of different caching algorithms, enabling faster access to RAM memory.

- **BGP Route Poisoning Simulation**
  Simulating BGP route poisoning in a Java-based network model within a virtualized Kali Linux environment reveals vulnerabilities and impacts on network routing.
- **Analysis of Transformer-Based and CNN-RNN Models for Image Captioning (AIML)**
  Built Transformer-based (ViT-BERT, ViT-GPT, DETR) and CNN-RNN (ResNet-LSTM, VGG-16-GRU) models and compared them with existing benchmarks on MS COCO, Flickr30K, and Conceptual Captions datasets. Evaluated accuracy, contextual relevance, and efficiency using BLEU, METEOR, CIDEr, SPICE, and ROUGE metrics.
- **Travel Buddy – Web-Based Travel Management Platform (DBMS)**
  Developed an interactive travel discovery and management platform using Mapbox, MongoDB Atlas, and Cloudinary for location services, data storage, and image management. Implemented user registration, destination listing, reviews, and rating system with efficient search and filtering mechanisms. Built on MVC architecture, ensuring scalability and maintainability, providing a seamless user experience for travel exploration and engagement.
- **And many small projects**
  Developed various mini-projects involving web applications, data analysis, and automation tools using Python, JavaScript, and MERN development.

Communication Languages

- **English** - Proficient
- **Hindi** - Proficient
- **Marathi** - Proficient
- **Kannada** - Advanced

Hobbies

- Exploring advancements in future technology and gadgets.
- Passion for automobiles (cars, bikes, aircrafts).
- Enthusiast in cutting-edge computer science topics.
- Travel Enthusiast.
- Cricket and Football.
- Competitive Gaming.

Extra-Curricular Achievements

- **Professional Athlete and Competitive Gamer.**