

BALAJI N K

Dharwad, Karnataka, India

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Education

Indian Institute Technology Dharwad

Bachelor of Technology in Computer Science and Engineering

Dec. 2021 – July 2025

CPI - 7.43

Sri Chaitanya PU College, Bangalore

12th CBSE

Aug. 2019 – Apr 2021

Percentage - 94%

Experience

AadiKrishi, Bangalore

Full-Stack Developer Intern at a Startup

May 2023 – July 2023

Bangalore, Karnantaka

- Developed RESTful APIs with Node.js and Express.js, reducing response time by **30%** and enhancing scalability.
- Built and deployed React Native apps for iOS and Android, boosting user engagement by **20%**.
- Integrated third-party APIs for authentication, notifications, and data synchronization, improving data sync reliability by **15%**.

Shaale, Bangalore

Frontend Intern – Takadimi App Developer

Dec. 2024 – Current

Bangalore, Karnataka

- Developed and maintained React.js applications with Redux for state management, enhancing overall app stability and performance.
- Implemented RTK Queries to streamline data fetching and state synchronization, reducing API response time by **25%**.
- Collaborated with cross-functional teams to optimize UI components and ensure seamless user experiences across devices.

Projects

Networks: Chat and Streaming Application — 🐙

Jan. 2024 – Apr. 2024

Python Project | Python, Sockets, Multithreading, OpenCV, Pickle, Struct, JSON, Queue

Dharwad, Karnataka

- Handled up to 15 simultaneous client connections and message queues, improving server scalability and client management efficiency by 40%.
- Streamed videos in three resolutions (240p, 720p, 1440p) with a frame rate of 30 frames per second, enhancing video quality and user experience by 50%.
- Implemented RSA encryption for secure communication, reducing data interception risks by 70% and increasing overall message security.

Sociopedia — 🐙

Apr. 2024 – July 2024

MERN Project | MongoDB, Express, React, Node.js

Dharwad, Karnataka

- Developed a full-stack social media application using the MERN stack (MongoDB, Express.js, React.js, Node.js).
- Designed and optimized a responsive user interface, ensuring seamless user experience across devices.
- Integrated secure authentication using JWT and Google OAuth, enhancing security and simplifying user login.

Technical Skills

Languages: C/C++, Java, JavaScript, ReactJS, React-Native, Python, NodeJS, Bash, PHP, CSS, HTML

DataBase: MySQL, MongoDB, Neo4J, Postgres

Tools: VS Code, Eclipse, Git, GitHub, HuggingFace

Frameworks: React, Express, ExpressJS, Django, TensorFlow, PyTorch, OpenCV

Operating System: Linux, Unix, Windows

Relevant Coursework

- | | |
|----------------------------------|------------------------------------|
| • Data Structures and Algorithms | • Software Development for Systems |
| • Artificial Intelligence | • Scientific Computing |
| • Computer Architecture | • Operating System |
| • Computer Networks | • Database and Information |
| | • Compilers |
| | • Deep Learning |

Achievements

NASA Space Settlement Design Contest - 2nd Place

NASA 2018

- Secured 2nd place globally in the 2018 NASA Space Settlement Design Contest for the project **Space Jerneth 007**.

National Talent Search Examination (NTSE) Scholar

2019

- Cleared the NTSE in 2019, demonstrating exceptional academic aptitude and problem-solving skills.