



# Bangaru Karthikreddy

B.Tech, Electronics & Communications, Jawaharlal  
Nehru Technological University, Anantapur

Engineering student with sound judgment and strong interpersonal skills. Desirous of a technical position to  
knowledge and build on skills.

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[github.com/thekarthek](https://github.com/thekarthek)

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[leetcode.com/thekarthek](https://leetcode.com/thekarthek)

[hackerrank/thekarthek](https://hackerrank/thekarthek)

## EDUCATION

KSRM College of Engineering - JNTUA University

B.Tech Electronics & Communication

2021- 2025 9.1 CGPA

Sri Chaitanya Junior College, Vijayawada

All India Senior School MPC

2019 – 2021 94.9%

Sri Satya Sai Swamy Trust , Puttaparthi

CBSE | Council for Indian General & Histroy

School

2009 – 2019 97.0%

## CODING PROFILES

Codechef: II Star

Leetcode: 1603 Rating (max)

Hackerrank: 5 Star Problem Solving and CPP

InterviewBIT: Global Rank - 1274, College Rank - 2

## PROJECTS

**Wearable Gesture-to-Speech Translator for Non-Verbal Communication | AP – India** 01/2025 – 03/2025 | [Link](#)

**Project overview:** Wearable Gesture to Speech Translator for Non-Verbal Communication to bend & dumb persons. **Research paper** on the same has been published in **IEEE Xplore**.

**Exposure:** OppNets, Eclipse, Fuzzy logic, ONE Simulator, Routing Protocols, code Python.

**5G Testbed Network Testing | IIT – Madaras University (03/2025) | [Link.me](#)**

**Project overview:** A Testbed Networks Testing reviews and feedback about the Student chapter, ACM from students as well as faculties. Worked in a team of 4.

**Exposure:** HTML5, CSS, JQuery, Jovoscript, Ajax, Soils, Node.js, Materiolize, GIT.

**Marketing Esstentials ; Digital Analysis Ranges Testing Network**

**IIMB : Indian Institute of Management Bangalore | [Link.me](#)**

**Project overview:** To outomote the work of issuing books, returning books and colculoting fine. **Exposure:** MySQL, Node.js, Jovoscript, EJS, Express, Bootstrop

**HP Life | HP Foundation |08/2024 | [HP Life](#)**

**Business Email :** Project Overview: Define the structural elements of a business email, develop and write an effective business email, and use email in different professional scenarios. To create Multi Task of labels in mails and develops the structural Layouts. | Bengaluru - India

## SkyScanner

Software Engineer|Web devops | 06/2024 | @[Skyscanner](#)

**Project overview:** Analysis to understand the reasons behind a patient's no-show for a medical appointment.

**Exposure:** Pondos, Numpy, Jupyter Notebook, Motplotlib, Seoborn

## Walmart Global Tech

Ads | Campegin | workshops|04/2024 | @[Walmart](#)

**Project overview:** To recognize 102 different types of flowers using CNN. **Exposure:** CNN, Jupyter Notebook, OpenCV

## SKILLS

- C/C++
- Python, **Kubernete**
- Java
- ETL Pipelines, SQL
- Git
- Web Development
- Go Lang, Azure
- Flutter, Docker
- Microsoft Office
- Machine Learning
- Data Structure and Algorithm
- Digital Evidence Analysis & E-Discovery Tools
- Prometheus, InfluxDB
- Data & Financial Analysis
- Web Technology / Embedded Systems
- Big Data , Quality Assurance , Software Test Engineer

## EXPERIENCE

**JP Morgan Chase & co. | Bengaluru - India**

**Quantitative Research | 06/2025 | [link.me](#)**

To assist trading and risk management strategies, financial models were developed and tested using statistical analysis, data science methods, and market data.

- Develop mathematical models for pricing, risk management, and trading strategies.
- Use programming (Python, C++, R) and data analysis for model implementation.
- Requires strong expertise in mathematics, statistics, and financial products.
- High-paying role with career growth and exposure to cutting-edge financial technology.

**Software Engineer | 01/2025 | [Link.me](#)**

To improve the performance of real-time financial applications, scalable backend services were developed and optimized utilizing Java, Spring Boot, REST APIs, Kafka, SQL, and Maven.

- Developed and deployed backend services using **Java**, **Spring Boot**, and **REST APIs** to support high-performance financial applications.
- Integrated **Kafka** for real-time message streaming and asynchronous data processing.
- Designed and optimized **SQL** database queries and schemas to ensure reliable data storage and retrieval.
- Built and maintained project dependencies with **Maven**, ensuring efficient builds and smooth CI/CD pipelines.

## ACHIEVEMENTS

- **All India Rank Top 3<sup>rd</sup>** in Rural Development of Trust (RDT) Scholarship | AP , India | [Link.me](#)
- **UPSTSE qualifier.** Amongst the top 1000 students qualified UPSTSE 2022- 2023, in class 12th (Received reward of Rs. 24000)
- **CBI | Central Bureau of Investigation | All India rank 19th in Tier-1 ,India**

## CERTIFICATIONS

- Software Processes and Agile Practices by **Coursera**
- **JP Morgaon Chase & Co.** Inside Sherpo's Virtual internship
- 5G TestBed Networks Testing - **IIT Madaras**
- Market Essentials Ranges - **IIM Bangalore**
- **Meta :** Facebook Pytorch Scholar- Scholarship challenge funded by Facebook
- **Apple :** iOS Ads Developer (SWIFT)
- **AWS :** Amazon Certified Associate Programmer