

# MANOJKUMAR S

Software Engineer | Java Developer | ECE Fresher

+91-9786864803 | ssmanoj444@gmail.com | github.com/Manojkumar-s47

Bengaluru, Karnataka, India

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## PROFILE

ECE graduate (2025) with hands-on experience in Java, C++, and UI development. Strong foundation in object-oriented programming, problem-solving, and software development. Experienced in academic and real-time projects including Li-Fi based communication systems and Java applications. Seeking an entry-level Software Engineer or Java Developer role where I can apply my programming skills and grow as a software professional.

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## EDUCATION

**Bachelor of Engineering – Electronics and Communication Engineering 2021 – 2025 | CGPA: 7.38**

University College of Engineering – BIT Campus, Anna University, Trichy

**Higher Secondary Certificate (HSC) 2019 – 2021 | Percentage: 90.6%**

Sri Vidyaa Mandhir Matric Higher Secondary School, Nachipatty, Vennandur

**Secondary School Leaving Certificate (SSLC) 2019 | Percentage: 90%**

Sri Vidyaa Mandhir Matric Higher Secondary School, Nachipatty, Vennandur

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## CERTIFICATIONS

- **Microsoft Office** – Beginner to Advanced
  - **C++ Programming** – Simplilearn
  - **Java Full Stack Training** – KodNest Technologies
  - **Networking Essentials** – Cisco Networking Academy
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## SKILLS

- **Programming Languages:** Java, C++, Python (Basics), HTML, CSS
  - **Core Concepts:** OOPs, Data Structures (Basics), Collection Frameworks
  - **Testing:** Manual Testing, Test Case Writing, Defect Life Cycle
  - **Embedded Systems:** Embedded C, Arduino, Sensors
  - **Tools & Platforms:** MATLAB, Simulink, Proteus, VS Code, Git, Redmine
  - **Databases:** MySQL
  - **UI/UX Tools:** Figma
  - **Productivity Tools:** MS Excel, Word, PowerPoint
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## INTERNSHIP & TRAINING

**Java Full Stack Trainee - KodNest Technologies, Bengaluru | Aug 2025 - present**

- Trained in Core Java, OOP concepts, Collections, and Exception Handling
- Developed console-based Java applications using best coding practices
- Practiced basic SQL queries and database connectivity concepts
- Learned manual testing basics including test case writing
- Used Git for version control and Redmine for defect tracking

## **Embedded Systems and Programming C - TechForge, Salem | July 2024 – Aug 2024**

- Worked on Embedded C programming using microcontrollers
  - Interfaced sensors and peripherals with Arduino boards
  - Developed and tested basic embedded applications
  - Gained hands-on experience in debugging and hardware testing
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## **PROJECTS**

### **Java-Based Bus Ticket Booking System**

**Tools:** Java

- Developed a console-based bus ticket booking application using Java
- Implemented seat selection, ticket ID generation, and fare calculation
- Used file handling for permanent data storage
- Applied object-oriented programming principles for modular design

### **D2D Communication Using Li-Fi**

**Tools:** MATLAB, Simulink

- Designed and simulated Device-to-Device (D2D) communication using Li-Fi technology
- Implemented data transmission using binary modulation techniques
- Analysed system performance using SNR vs BER under AWGN noise
- Gained practical knowledge of optical wireless communication systems

### **Elite Basket – Grocery Mobile App (UI/UX Design)**

**Tools:** Figma | **Status:** In Progress (65%)

- Designing end-to-end mobile UI screens including splash, login, OTP, home, and product listing pages
- Creating reusable UI components and interactive prototype flows using Figma
- Following user-centred design principles to ensure clean and intuitive navigation