

# PAUL DANIEL C

**Date of Birth:** 22/07/2004 |

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**Credly:** <https://www.credly.com/users/paul-daniel.b3c79916> |

## Summary

Computer Science student aspiring to build a career as a **Software Development Engineer (SDE)**, with strong skills in **Java, Python, data structures, algorithms, and problem-solving**. Passionate about **networking, automation, AI, IoT, and cybersecurity**, and eager to develop scalable solutions that improve **connectivity, efficiency, and sustainability**. Committed to continuous learning, collaboration, and contributing to innovative projects that create meaningful impact.

## Skills

- **Programming Languages:** Python, Java, SQL, HTML, CSS
- **Frameworks & Libraries:** TensorFlow, Keras, NumPy, Pandas, Matplotlib
- **Tools & Platforms:** Git, Jupyter Notebook, Visual Studio Code, Streamlit
- **Soft Skills:** Problem-solving, Teamwork, Communication, Time Management

## Experience

### Infosys Springboard Internship

**Oct 2024 – Dec 2024 | India**

- Developed a **bank cheque details extraction automated model**.
- Collaborated with a team to design and implement an application using **Python and OCR techniques**.
- Gained hands-on experience with **optical character recognition (OCR), Streamlit, and model deployment**.

### National Centre for Radio Astronomy (NCRA-TIFR) Internship

**June 2024 | Ooty, India**

- Developed a **Python program to calculate and tabulate the sensitivity of the Ooty Radio Telescope** using observations of radio galaxies and quasars.
- Assisted in **data processing and analysis** of radio astronomical data.
- Learned about **radio telescope operations and data reduction techniques**.
- Contributed to the development of **data visualization tools using Python**.

## Education

### B.E. Computer and Communication Engineering

V.S.B Engineering College, Karur, India | 2022 – 2026 |  
CGPA: 8.89

### Higher Secondary

Stanes Anglo Indian Hr. Sec. School, Coonoor | 2020 - 2022 |  
Percentage: 81.166%

## Certifications & Training

- **AIML for Geodata Analysis** (Indian Space Research Organisation - Aug 2024)
- **Python Foundation Certification** (Infosys Springboard, Aug 2024)
- **Internet of Things: Multimedia Technologies** (UC San Diego - Coursera, June 2024)
- **Internet of Things: Communication Technologies** (UC San Diego - Coursera, June 2024)
- **Deep Learning with TensorFlow 2.0 in 7 Steps** (Infosys Springboard, July 2024)
- **The Joy of Computation Using Python - ELITE+SILVER** (NPTEL – IIT Madras, Jul-Oct 2024)

## Projects

### ShopEase – E-commerce Website

- Developed a **responsive front-end e-commerce platform** using **HTML, CSS, and JavaScript**, featuring product catalog, shopping cart, and checkout flow.
- Designed and optimized a **user-friendly interface** ensuring seamless browsing and mobile compatibility.
- Deployed on [GitHub Pages \(Live Demo\)](#) for live access.

### AI-Based Image and Video Compression for Edge Devices

- Engineered **adaptive image and video compression techniques** to optimize storage and performance.
- Focused on **efficiency and scalability**, ensuring **resource-friendly implementation** for low-power devices.
- Evaluated performance using **PSNR and SSIM metrics** to maintain quality.

## **Professional Development**

### **IEEE Student Mentorship Program (IEEE SMP) (Aug 2024 – Dec 2024)**

- Collaborated with industry experts to **enhance technical proficiency and career readiness.**
- Engaged in **AI, IoT, and software development mentorship programs.**
- Participated in **Fortnightly Talks** organized by IEEE experts for career growth and knowledge upskilling.
- Received mentorship from an **IBM expert** for **coding and placement preparation.**

### **ICT Academy Learnathon 2024**

- Developed practical expertise in **cloud computing, AI, and data analytics** through hands-on challenges.
- Learned new courses, tools, and frameworks such as **Microsoft Fabric, Google Cloud, Amazon Azure.**

## **Community Involvement**

### **IGEN GREENDAY 2024 (Oct 2024)**

- Actively participated in **sustainability initiatives**, emphasizing the importance of technology in environmental impact.
- Contributed to discussions on **reducing carbon footprint and promoting green practices.**
- Assisted in the implementation of **eco-friendly solutions within the community**, aligning with **UN SDG 13.**

### **Participant, Eye and Skin Donation Program**

#### **Rotary Club Ooty, Sep 2022**

- Engaged in **awareness campaigns and educational sessions** about the importance of eye and skin donation.
- Secured **first place in an inter-school quiz competition based on Eye and Skin Donation Awareness**, demonstrating **analytical skills and in-depth knowledge of the topic.**