

# Vedant Tripathi

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 [vedant-tripathi-02](#) |  [vedant-tripathi-codes](#)

## EDUCATION

### BITS Pilani

B.E. Electrical and Electronics Engineering, M.Sc. Physics  
CGPA: 8.64/10

2019 - 2024  
Pilani, Rajasthan

## PROFESSIONAL EXPERIENCE

### ARM

Graduate Engineer

Jan 2024 -  
Bangalore, India

- Validated Linux payloads at multi-SoC level to ensure data concurrency and correctness
- Developed a framework of bare-metal drivers to verify critical PCIe-related SoC features
- Engineered a command line tool and website to automate regression testing and provide intelligent debug data

### Société Générale

Software Engineering Intern

June 2023 - July 2023  
Bangalore, India

- Enhanced an invoice parser tool with a color-coded data visualization feature
- Created a drag-and-drop tool to generate user interfaces wired to relevant API calls

### Chat360.io

Software Engineering Intern

July 2021 - Oct 2021  
Remote

- Maintained and refactored a robust highly scalable chat-bot ecosystem developed using Django
- Implemented a chat-bot architecture capable of handling user-specific business transactions with payment integration.

## SKILLS

- **Programming Languages:** C, C++, Python, Javascript, Java, MATLAB
- **Web Technologies:** Django, Flask, HTML, CSS, Javascript
- **Hardware Technologies:** System Verification, System On Chip(SoC), ARM Architecture, FPGA
- **General Skills:** Embedded Systems, Device Drivers, Data Structures And Algorithms
- **Protocols:** UART, PCIe, DDR
- **Tools:** Linux, Bash/Shell, Vim, Git
- **Database Systems:** MySQL, PostgreSQL

## PROJECTS

### INWEON GRAMS

Tools: Django



- Developed a Django based backend integrated with Machine Learning models, for the detailed analysis of grain quality

### Youtube Search Application

Tools: Django, Bootstrap



- Developed a web application to enable video search and uniquely offer a "I'm Feeling Lucky" feature for instant access to a random video

## CONFERENCES

### Amazon ML Summer School

Amazon

- Selected from 60k+ applicants to attend a month long virtual school focused on Machine Learning concepts from industry experts