

# ABINESH P

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## EDUCATION

### SNS COLLEGE OF ENGINEERING

November 2021 - Present

Bachelor of Engineering in Computer Science and Design

### ANNAI VELANKANNI MATRIC HR. SEC. SCHOOL

April 2019- May 2021

Higher secondary Education

## TECHNICAL SKILLS

- **Programming Languages** : Python, SQL, HTML, C
- **Frameworks & Libraries**: Django, React
- **Cloud Services** : AWS (IAM, EC2, S3, VPC, SES, SNS, DynamoDB, EMR, Boto3, lambda), Vercel
- **Tools** : MySQL, Cisco Packet Tracer, Docker, VirtualBox(Linux), MongoDB Compass, Git

## PROJECTS

- 1. Serverless Email Marketing Application (AWS, Lambda, SES, S3, Event Bridge)**: Developed a serverless email marketing tool handling mail marketing, which able to reduce cost by 30% using cloud services only.
- 2. Data Retrieval Tool (AWS, EC2, S3, Boto3)**: Developed a data retrieval system for EC2 instances and S3 buckets, for cloud data extraction and storage, reducing query time by 40% to fetch results in csv format.
- 3. AI Data Visualization Tool(Django, React, Gemini AI)**: Created a data visualization web app integrating Gemini AI, improving analytical insights for real-time data visualization and prompting with dataset for improved insights.
- 4.Career guide Bot(Langchain, Gen AI)**: Developed a personalized chatbot for career guidance, increasing engagement through dynamic NLP-based responses.
- 5. Watering Plant Automation**: Designed an IoT-based system to monitor soil humidity and automate irrigation to plants using sensor.

## INTERSHIPS

### IOT - Skill development internship

Feb 2023-Mar 2023

MSME | offline

- Gained hands-on experience in configuring Arduino boards for multiple **IoT** mini-projects.
- Developed low/no-code applications to automate hardware configuration and enhance efficiency in automation systems.

### AI & LLM internship

June 2023-July 2023

MINDFUL AI | Remote

- Gained expertise in **prompt engineering** and the LangChain framework.
- Developed an AI-based Career Guide Bot, improving response accuracy.

### Developer internship

Oct 2024-Jan 2025

Innovation Hub(iHUB) | offline

- Engineered AI-driven products ,seamlessly integrating LLM APIs into 3+ web applications.
- Built web applications using **Python (Flask, Django)**, enhancing backend performance.

## CERTIFICATIONS

- **NSDC** - Cloud Consultant (600 Hours, 2024)
- **NPTEL** - Business Intelligence & Analytics (12 Weeks, 2024)
- **IBM** - Enterprise Design Thinking Practitioner & Co-Creator (2022)
- **AWS Educate** - Getting Started with Compute & Storage, Introduction to cloud 101

## ACHIEVEMENTS

- **1st prize** - Ideathon event ( COLORS 2K22, SNSCE,2022)
- **1st Prize** - Mini project Event (Semester 3,SNSCE,2023 )
- Published Research Paper on AI-driven Analytics - Insight Pro Journal (2024)