Sushant Kumar

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in https://in.linkedin.com/in/sushant-kumar-6b547328b ⧉ https://github.com/NITsush45

Summary

Passionate software developer striving to enhance skills having proficiency in artificial Intelligence and geeky coder ready to serve industry & society.

Education

National Institute of Technology, Kurukshetra   *Oct 2022 – Present*
Bachelor of Technology in Electronics and Communications

- **Coursework:-** Computer Architecture, AI&ML, Data Structures, Signal System and Random Variables, Information Theory&Coding, Digital Communication,Vhdl

Mukularanyam English School, Varanasi   *July 2018 – May 2020*
Intermediate with Physics, Chemistry & Mathematics

Central Academy, Prayagraj   *June 2016 – April 2018*
Matriculation

Work Experience

AI & ML Research Intern, Woosong University, Daejeong, South Korea   *May 2024 – July 2024*
Certificate ⧉

- Researched on enhancing the performance and efficiency of optical communication using Machine Learning.
- Prepared reports on error detection systems, equalizers, and related algorithms.

Subject Matter Expert, LearnAsYouGo, Tamil Nadu, India Certificate ⧉   *Oct 2023 – Dec 2023*

- Mentored JEE/NEET aspirants, solving Maths, Physics, and Chemistry problems up to JEE level.

Campus Ambassador, International Model United Nation, Delhi, India   *June 2024 – July 2024*
Certificate ⧉

- Discussed global issues and ran awareness campaigns on ongoing problems.

Projects

Ssk-ChatBot—BotPress,HTML,CSS,JS,OpenAI,LLM   *Ssk-bot* ⧉

- Interactive and enhanced AI ChatBot which gives answer short & concise.

Ssk-ChatMaster—React+Vite,Node.js,Expressjs,MongoDB,zustand,socketio,tailwind *ChatMaster* ⧉
CSS,toast,daisy UI,bcrypt

- one to one client server chat App, fully encrypted with integrated AI bot.
- Various features like blocking,changing Avatar,emoji and personal support.

ClashBird—Unity Gaming engine,GIMP,C#,OpenGameArt

- Hyper-realistic game with camera focus rendering and interactive gameplay with so many different levels.

Technical Skills

Languages: Java, Python, C/C++, HTML/CSS, C#, JavaScript, dart, hdl.

Frameworks: Django, Express.js, Reactjs, Node.js, MongoDB, jupyter, OpenCV, Flask, Bootstrap, Streamlit, PineconeDB.

Libraries & Tools: TensorFlow,sklearn, PyTorch, OpenAI, SpeechRecognition, Pandas, Matplotlib, Pygame, VS Code, Unity, GIMP, Balsamiq, Botpress, Android Studio, Postman, Git, Google Cloud Platforms, MATLAB, AutoCAD, MySQL, pgAdmin4,tailwind css, threejs,Azure,Huggingface API,Google Colab.

Achievements

- ○ **R**eceived SDE offer from Sashakt Bharat Abhiyan Scheme under Govt. of India with a stipend of 55k/month. [Certificate](#) ↗
- ○ **C**ertified in National Anveshika Experimental Skill Test by Prof. H.C. Verma and IIT-Kanpur in 2020.
- ○ **S**ecured AIR 724 in National Science Talent Search Examination 2020.
- ○ **Q**ualified Pre-Regional Mathematics Olympiad 2020.
- ○ **S**ecured second position in North Eastern Railway Division welfare essay and drawing competition.