

# Sushant Kumar

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## My Education

<b>National Institute of Technology, Kurukshetra</b>	Oct 2022-Present
Bachelor of Technology in Electronics and Communications.	
<b>Coursework:</b> Computer Architecture, Artificial Intelligence and Machine Learning, Data Structures, Signal System and Random Variables, Information Theory & Coding, Digital Communication.	
• <b>Mukularanyam English School, Varanasi</b>	July 2018 – May 2020
Intermediate with Physics, Chemistry & Mathematics	
<b>Central Academy, Prayagraj</b>	June 2016 – April 2018
Matriculation	

## Work Experience

<b>AI&amp;ML Research Intern</b> , Woosong University – Daejeong, South Korea	May 2024 – July 2024
<ul style="list-style-type: none"><li>• Researched on enhancing the performance and efficiency of optical communication through Machine Learning.</li><li>• Prepared reports based on error detection systems, equalizers along with algorithm related to these and workings respectively.</li></ul>	
<b>Subject Matter Expert</b> , LearnAsYouGo – Tamil Nadu, India	Oct 2023 – Dec 2023
<ul style="list-style-type: none"><li>• Mentored and tutored JEE/NEET aspirants.</li><li>• Tackled problems of Maths, Physics &amp; chemistry of the students upto JEE level.</li></ul>	
<b>Campus Ambassador</b> , International Model United Nation – Delhi, India	June 2024 – July 2024
<ul style="list-style-type: none"><li>• Discussed and debated on the ongoing global issues and their solution.</li><li>• ran an awareness campaign to aware people on problems and made them understand its consequences.</li></ul>	

## Projects

<b>AI-ChatBot</b>	June 2024- July 2024 Ssk-Chatbot
<ul style="list-style-type: none"><li>• Created an AI-ChatBot named Ssk which interacts with users and answer their query.</li><li>• Tools Used: Botpress, OpenAI, AI prompts, LLM</li></ul>	
<b>My Own Website</b>	May 2024-July 2024
<ul style="list-style-type: none"><li>• Developed my own personal user interactive website having both frontend and backend and contain all information about myself.</li><li>• Tools Used: HTML, CSS, JavaScript, Balsamiq, reactjs, bootstrap, nodejs, MySQL</li></ul>	
<b>Birds Clash Game</b>	May 2024-July 2024
<ul style="list-style-type: none"><li>• Developed an user friendly and interactive 2-D game allowing users to change their sprites and have different levels.</li><li>• Tools Used: C#, Unity Gaming Engine, GIMP, OpenGameArt</li></ul>	
<b>Ball Jumper Game</b>	June 2024-July 2024
<ul style="list-style-type: none"><li>• Developed a hypercasual user interactive 3-D game.</li><li>• Tools Used: C#, Unity Gaming Engine, GIMP, OpenGameArt</li></ul>	

## Technical Skills

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- **Languages:** Java, Python, C/C++ , HTML/CSS,PHP,C#,JavaScript,MySQL
- **Frameworks:** Django, Expressjs, Reactjs, Nodejs, MongoDB, jquery, OpenCV, Flask, Bootstrap, restAPI
- **Library&Tools:** TensorFlow, PyCharm, PyTorch, openAI, SpeechRecognition, Panda, matplotlib, Pygame, VS code, Unity Gaming Engine, GIMP, Balsamiq, Botpress, Postman, GitBash, Google Cloud Platforms, MATLAB, Auto-CAD

## Achievements

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- Got an offer letter from **Sashakt Bharat Abhiyan** scheme under Govt. of India as an **SDE** role with stipend of 55k/month.
- Qualified **Pre-regional Mathematics Olympiad 2020**
- Qualified **National Anveshika Experimental Skill Test 2020** and got certified by Prof.H.C.Verma Sir and IIT-Kanpur.
- Secured All India **Rank-724** and Uttar Pradesh state **rank-103** in **National Science Talent Search Examination 2020**.
- Secured second position in **North Eastern Railway Division welfare essay and drawing competition**.