Dushyant Pareek

Master of Computer Applications (MCA)
Computer Science and Engineering
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EDUCATION

- **National Institute of Technology, Agartala** — *Master of Computer Applications*
  Tripura, India — August 2023 - July 2026
  - **CGPA: 9.11**
  - Data Structures and Algorithms, Object-oriented Programming
  - Database Management Systems, Artificial Intelligence, Operating Systems
  - Software Engineering, Computer Architecture, Data Mining

- **St. Xavier's College, Jaipur** — *Bachelor of Science*
  Rajasthan, India — August 2020 - July 2023
  - **CGPA: 8.45**
  - Computational Mathematics, Discrete Mathematics, Numerical Analysis
  - Probability and Statistics, Linear Algebra, Differential Equations
  - Quantum Mechanics, Mathematical Physics, Optimization Problems

PROJECTS

- **Stock Prices Predictor**
  Tools: PyTorch, Pandas, Streamlit
  - Developed end-to-end machine learning project for predicting stock prices
  - Applied Pandas for data cleaning and PyTorch LSTM for model training
  - Developed pipelines in Python for workflow automation
  - Applied Streamlit for displaying the model predictions and Matplotlib for showing the graphs

- **Efficus: Project management app**
  Tools: Next.js, PostgreSQL, TailwindCSS
  - Developed the user interface with Next.js 14, using Material UI component library
  - Built the backend through Node.js and used PostgreSQL database for data storage
  - Implemented authentication using AWS cognito and deployed the app over AWS
  - Used TailwindCSS for responsive styling, TypeScript for type safety and Prisma for data validation

SKILLS

- **Programming Languages**: Python, Java, JavaScript, TypeScript, SQL/NoSQL, HTML/CSS, LaTeX
- **Tools**: Git, Amazon Web Services, Docker, Google Colab, VS Code, PyCharm, IntelliJ
- **Frameworks/Libraries**: Scikit-Learn, PyTorch, TensorFlow, Pandas, Matplotlib, NumPy, Next.js, React, Node.js, Flask, FastAPI, Streamlit
- **Soft Skills**: Technical Writing and Editing, Problem Solving, Research and Ideation, Public Speaking, Teamwork and Organisation, Analytical Thinking

CERTIFICATIONS

- **Front-end Web Development**, IBM SkillsBuild Summer Internship Program — *August 2024*
- **Data Analytics with AI**, SoloLearn — *September 2024*

ACHIEVEMENTS AND POSITIONS OF RESPONSIBILITY

- **Public Relations and Outreach Lead,** Developers and Coders Club, NITA — *August 2024 - July 2025*
  Was part of the organising team of ISRO Space Exploration Hackathon and Smart India Hackathon organized in NIT Agartala
- **Editorial Secretary,** Students' Council, SXCJ — *August 2022 - July 2023*
- **President,** Department of Science, SXCJ — *August 2022 - July 2023*
- **Pride of the Department award**, SXCJ — *March 2023*
- **Best Student in Research award**, SXCJ — *March 2023*
- **Principal's Choice award**, SPS — *December 2020*