Susanta Sigdel

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EDUCATION

Bachelor of Science in Computer Engineering   Graduation: May 2023
Shepherd University- Shepherdstown,WV

RELEVANT COURSEWORK

- Operating systems and Digital Logic Circuits
- Advanced Programming Language Concepts
- Data structures and algorithms
- Signal Processing

- Software Engineering
- Discrete Mathematics
- Probability and Statistics
- Database Management

EXPERIENCE

Undergraduate Research Fellow - AI and Digital Health   Jun 2022 - Aug 2022
West Virginia University - Morgantown, WV

- Collaborated with professors and a team of peers to advance research and implement solutions to complex health issues using Python
- Debugged and troubleshooted problems to ensure the smooth operation of applications
- Implemented knowledge of Python and worked efficiently in a team environment to learn new skills and deliver quality results on time.
- Conducted data analysis, including a correlation between Heartbeat and sleep score
- Worked on developing APIs for the Fitbit tracker and ensured that they were well-documented and easy to use
- Parsed information from JSON obtained from the Fitbit archive
- Performed data manipulation, analysis, modeling, and visualization on a series of granular data using Google Colab

Summer School - AI and Digital Health   Jul 2022 - Jul 2022
West Virginia University- Morgantown, WV

- Completed a program in Introduction to Machine Learning, Social Network Analysis, Introduction to Deep Learning Architectures, Privacy, Fairness, and Explainable AI, and Hands-on with Practical AI platforms

TECHNICAL SKILLS:

- Python
- Java
- C++, C#
- SQL, NoSQL
- Git, GitHub

- APIs and Databases
- Visual Studio
- Data Analysis
- Agile Methodology, Scrum