NISHANT S. BUNDELA

+1 (667) 910-3834 • nbundel1@jh.edu • LinkedIn • Website

EDUCATION

THE JOHNS HOPKINS UNIVERSITY   Aug 2021 - Dec 2022

MS in Engineering Management | Specialization: Smart Product and Device Design
Coursework: Data Science, Statistical Learning for Engineers, OOSE, Strategies for Innovation and Growth.

NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA   Graduated June 2019

Bachelor of Technology, Major: Mechanical Engineering
Top 0.51 percentile of 1.2 million candidates. Tested on Physics, Chemistry and Mathematical skills.

EXPERIENCE

Vice President of Projects | Johns Hopkins Product Management Club   Feb 2022 - Present
- Negotiated and acquired projects from 11 organizations. Supervised 30+ members in PM projects.
- Led the digital transformation of the club by integrating the use of **Miro, Slack, Figma and Jira** as standard tools.
- Used **Python and Tableau** to analyze club KPIs and improved club engagement by 300%.

Strategy Consultant | Danfoss Editron   Oct 2021 - Dec 2021
- Researched the Electric Vehicle ecosystem in the US. Created KPIs for Danfoss products and services.
- Proposed a five-year strategy to utilize 100 million euros in funding to make future proof, resilient products for US.

Student Product Manager | Personix | Baltimore, MD   Oct 2021 - Jan 2021
- Managed and developed an **NLP** tool capable of extracting optimized insights from videos for product managers.
- Conducted **Product Manager interviews, data analytics and created Tableau visualizations** for product improvement.

Teaching Assistant | Johns Hopkins University, Baltimore, MD   Aug 2021 - Dec 2021
Course: Practical Ethics for Future Leaders
- Taught decision-making frameworks focusing on dilemmas of **AI, Algorithms, Autonomous Vehicles and Privacy**.
- Mentored and graded 60 students for this course. Oversaw group discussions and surveys.

Strategy Consultant | The Johns Hopkins Hospital | Baltimore, MD   Aug 2021 - Nov 2021
- Introduced new medicine logistics methodologies. Created wireframes and protocols to increase efficiency.
- Used **Figma** to create blueprint for a new emergency medication box, improving medicine recovery time by 20%.
- Identified critical errors in nurse training and created alternate protocols. Used **Tableau** visualizations.

Co-Founder and Product Manager | Techvention   Oct 2016 - Jan 2020
- Designed **IoT** based navigation devices using **Arduino and Raspberry pi** modules for disabled people.
- Finalist; Selected as one of the top 30 Business-plans among 12,000 teams. Received $12,000 in funding.
- Helped over 50 differently abled people by providing them with individually tailored gadgets.

PROJECTS

Autonomous Robots (C Programming)   Jan 2022 - March 2022
- Designed an autonomous robot capable of perceiving and navigating a maze. Used a **CV enabled Pixy2 camera**.
- Designed a robot capable of balancing itself on two co-axial wheels. Used an **IMU sensor and PID algorithms**.
- Designed an Autonomous robot capable of playing Air Hockey. Used **Pixy camera and an RF Module**.

Data Science and Machine Learning Projects   Jan 2020 - May 2020
- Predicted heart failure with 92.7 percent accuracy using **neural network, logistic regression, SVM and KNN model**s.
- Scraped twitter tweets and applied **regression, SVM and Naïve Bayes** based sentiment analysis models.

JPay – Payroll Software for JHU (Full stack Software Engineering)   Jan 2020 - May 2020
- Followed **Agile development methodologies** and delivered the product in 5 iterations from **prototype to beta**
- Created dashboards, dynamic user pages, filtering and email notification options for 3 different users
- Created routes and **API's** using Axios for **CRUD** operations on **PostgreSQL** database. Hosted the app on Heroku

SKILLS AND CERTIFICATIONS

Software Engineering: Algorithms and Data Structures, JavaScript, HTML, CSS, REACT, PgSQL, Docker, Git, GitHub, APIs
Product Management: Slack, Canva, Jira, Miro Board, Figma, Scrum and Agile methodologies
Data Science: Python, NumPy, Pandas, Matplotlib, SciKit-Learn, PyTorch SQL, Excel, Tableau