SOUMYA NAG SUMAN

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EDUCATION

Boston University College of Engineering, Boston, MA   **Expected May 2021**
Undergraduate, Bachelor of Science & Engineering | **Major GPA: 3.51/4.0**
Major: Computer Engineering | **Minor**: Innovation and Entrepreneurship | **Concentration**: Technology Innovation
Relevant Coursework: Software Engineering, Differential Equations, Engineering Design, Linear Algebra, SQL, Electric Circuit, The Business of Technology Innovation, Device and Diagnostics, Client Server Software Design

TECHNICAL SKILLS

Technical Skills: C++, Python, Linux, Verilog, MATLAB, GitHub, HTML, C# and SQL
Product Management: Agile, Scrum, Design Sprints, Trello, Asana, A/B Testing, Strategy
Language: Proficient in English and Hindi, Conversational in Bengali, can read Arabic

WORK EXPERIENCE

The Ventilator Project   March 2020 – Present
- Product Manager
  - Identify pain points by talking to Respiratory therapists and convert them to user stories for firmware engineers to modify design.
  - Categorize priority areas for engineers to focus on ventilator and work on effort estimation
- Supply Chain Manager
  - Led electrical components commodity group of 5 engineering professionals to source 100+ parts for ventilators.
  - Controlled 30+ supplier onboarding calls; resulting in 26+ vendors onboarded to supply key components.
  - Negotiated with 26+ vendors to manage 30+ BOMs through active bidding process; estimated to reduce lead time by 50% and cost by 11%.
- Business Development
  - Managed a $95,000 budget to maintain employee satisfaction & well-being through food.
  - Researched competitive landscape for 40+ ventilator companies, designing an optimal ventilator.

Boston University Undergraduate Teaching Assistant Electric Circuits   September 2019 – Present
- Tutor more than 20 students per lab session for explaining 15+ concepts in electric circuits.
- Organize and facilitate 4 lab sessions per week by assisting students to apply concepts with hands-on lab work.
- Design 7 labs with professor for virtual learning experience and help virtually debug circuits over Zoom.

PROJECTS

Nubank | Market Research and Analysis, Strategic Consultant   January 2020 – March 2020
- Analyzed digital banking market for Brazil and identified market's interest rate was 8%, higher than global avg.
- Provided a go-to-market recommendation to penetrate US & Mexico markets; est. to capture 1M+ users.
- Recommended 2+ call support languages & an AI-driven customer support to support a go-to-market in US & Mexico.

Mobility Assist Device   September 2019 – December 2019
- Built passive assist device by leading 3 students for people suffering from knee problems like muscular atrophy.
- Interviewed 10+ people from assisted living community to test our 5+ designs with users.
- Decided on use of torsional springs and muscle sensors to help assist sit to stand transition and provide overall strength.

BETA | VP of Engineering   September 2019 – December 2019
- Piloted development of a "mock" startup focused on redefining gym training using Bluetooth iBeacon Technology.
- Worked on B2C startup development process including ideation, developing business canvas, analyzing market and making projected 5-year financial plan, estimated to capture $435K in 5 years

Plastic Discriminator Device   September 2018 – December 2018
- Built machine for detection between PET and PVC within 3 months and under a budget of $400 (industry avg ~$15K).
- Co-ordinated a group of 5 to build a plastic discriminator, using an infrared light detection with photodiode sensor.

LEADERSHIP EXPERIENCE

Boston University Augmented Reality & Virtual Reality Club   September 2018 – December 2018
- Organized first ever AR/VR festival bringing in 7 companies like PTC, Wayfair and others working in field of AR/VR.
- Planned 50+ weekly meetings to host workshops on Unity and Simmetri and brought in 30+ guest speakers from various companies like Amazon, Microsoft, Wayfair, PTC etc., and have them share personal experience on VR and AR.