

JOHAAN MANNANAL

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EDUCATION

Purdue University - Bachelor of Science in Data Science
West Lafayette, IN | Sophomore standing through accepted transfer credit
Liberty High School - High School Diploma
Issaquah, WA

Expected May 2029

June 2026

LEADERSHIP & ENTREPRENEURSHIP

Midnight - Founder & Product Lead Aug 2021-Present
• Led Midnight's rebuild from its earlier beta, whose MVP generated 1,500 registrations and 10M+ social-media views; the refined product is now in active user testing.
• Owned product planning, user research, development priorities, testing, and marketing strategy while coordinating 25 contributors during the MVP stage.
• Served as lead engineer and top code contributor, authoring 1,684 of 3,607 commits (~47%) across the rebuilt private codebase.

Mentor Me - Co-Founder & Volunteer Tutor Aug 2020-Jul 2026
• Co-founded a free K-12 tutoring initiative and delivered 1,000+ hours of individualized mathematics and English instruction.
• Created personalized lesson plans and adapted teaching methods to different learning and communication needs.

Holy Family Mission Church - Parish Youth & Altar Ministry Lead Jan 2022-Sep 2025
• Grew the parish teen group from 4 to 25 active members through programming, outreach, and regular educational sessions.
• Organized meal service, clothing drives, and fundraising initiatives that raised \$3,000+ for homeless shelters and refugee support.

Diocese Youth Apostolate - West Coast Youth Leader Jan 2025-Sep 2025
• Coordinated logistics, programming, and speakers for a diocesan conference in Dallas and delivered a keynote presentation to 100+ attendees.

Praevius - Co-Founder & Operations Lead Aug 2023-Jul 2026
• Co-founded an AI automation agency serving 12 small-business clients and generating more than \$20,000 in revenue.
• Delivered a fully operational website, logo, and business cards for Midnight Garage; built automated outreach systems that helped an SMMA acquire clients and booked a sales call within one week for AVS Marketing.

Wicome Streetwear - Co-Founder Sep 2020-Jun 2022
• Managed sourcing, pricing, finances, e-commerce, Instagram marketing, and local pop-up sales for a student streetwear brand.
• Generated approximately \$15,000 in gross revenue and served 200+ customers through online and in-person sales.

SELECTED TECHNICAL PROJECTS

Motorsport Telemetry Analytics - Solo Developer 2026
• Built and deployed an interactive F1 telemetry dashboard with driver comparisons, sector analysis, tyre summaries, weather, and a transparent lap-time model.
• Achieved 0.396-second MAE on laps from fully held-out 2023 Monza stints, 46% below a mean-prediction baseline.

Penn State University - Wearable Health ML Research Project Aug 2023-Jul 2026
• Conducted unpublished wearable cardiovascular ML research with Jevelson Simenthy, Instructor of Information Technology at Penn State, using synthetic and Apple Watch data.
• Documented findings and rebuilt portions as a reproducible early-stage application with leakage-safe preprocessing, cross-validation, unit tests, and a model card; achieved 0.925-0.992 F1 on synthetic benchmark tasks.

HONORS & INTERESTS

Honors: DECA ICDC Qualifier and 2x State Qualifier | CyberPatriot Platinum Tier | NJROTC Orienteering Varsity Letter
Interests: Motorsports analytics, Muay Thai (2 amateur matches), classical and jazz piano (10 years; 20+ performances)